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Saskatchewan Environment

Hydrology Branch

Surface Water Data — 1981

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1981

SURFACE WATER DATA

HYD 19-23

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INTRODUCTION

The purpose of this publication is to summarize surface water data collected at the network of hydrometric stations in Saskatchewan operated by Saskatchewan Environment for the year 1981. Several provincial government agencies, private agencies and individuals assisted in collecting the basic data used in the compilation of the records. In particular, we gratefully acknowledge the co-operation extended by the Saskatchewan Department of Tourism and Renewable Resources, the Department of Northern Saskatchewan, the Conservation and Land Improvement Branch of Saskatchewan Department of Agriculture, Saskatchewan Minerals, Ducks Unlimited (Canada), and the numerous private individuals who served as observers at our hydrometric stations.

The Surface Water Data was compiled by the Hydrology Branch of Saskatchewan Environment and is the eleventh of a continuing series of publications. The first was produced as Appendix I to a joint Federal-Provincial ARDA Project "A Basic Hydrometric Network for Saskatchewan," published in 1966 and contained hydrometric data collected by the province prior to 1966. This was followed by six biennial publications containing two years of records each. The data have been published annually since 1978. Miscellaneous hydrometric measurements taken at locations which are not regular hydrometric stations have not been included, but are available upon request.

Saskatchewan hydrometric data which are collected through the Federal-Provincial co-operative network, and other networks operated by

Water Survey of Canada, are published separately by Water Survey of Canada.

Presentation of Data

The hydrometric data presented was compiled by computer, using the MANUAL program designed by the Canada Department of the Environment. All data is in the metric system.

For purposes of water administration, the province has been divided into 67 sub-basins. The sub-basins are shown and listed on Figure I. Each hydrometric station listed is identified by a station reference number. The first two digits represent the sub-basin number and the last three digits the station number.

The data tables are arranged in alphabetical order of station names in this report. Each station is introduced by a description sheet that provides a brief station description and summarizes the station history. The data for 1981 follows the description sheet for each station.

The table of contents provides a sequential listing of the hydrometric stations. The index at the end of this report provides a listing of the hydrometric stations by station number.

Accuracy of Data

The number of significant figures has been standardized for uniformity and does not reflect the degree of accurancy of the data. The records at streamflow stations cover the spring runoff period and in most cases

flow ceases or freeze-up. The discharges shown are generally based on daily staff gauge readings and are assumed to represent daily mean values. The lake level data generally covers the entire open water season. Water levels in most cases have been recorded at least twice a week with daily levels estimated by interpolating between recorded values.

DEFINITIONS OF TERMS AND ABBREVIATIONS

"Cubic Decametre" (Dam 3)	- is the volume equivalent to 1000 cubic metres
"Cubic Metres Per Second" (m^3/s)	- is a unit expressing the rate of discharge. One m^3/s is equal to one cubic metre of water flowing past a particular point in one second. One m^3/s flowing for 24 hours produces 86.4 Dam^3 or 86400 cubic metres.
"Hydrometric Station"	- is a location where systematic records of elevation or discharge are obtained.
"Staff Gauge"	- is a vertical gauge installed at a hydrometric station and marked for recording the height of water in increments of one millimetre or one one-hundredth of a foot.
"Wire Weight Gauge" (W.W.G.)	- is a weighted steel tape used for measuring water levels and marked for recording the height of water in increments of one millimetre or one one-hundredth of a foot.
"Daily Mean Discharge"	- is the mean discharge for a particular calendar day.
"Daily Mean Elevation"	- is the mean elevation for a particular calendar day.
"Geodetic Datum"	- is the elevation relative to mean sea level as established by Geodetic Survey of Canada.
"Assumed Datum"	- is the elevation relative to an established reference point and is used at locations where the geodetic elevation is not known.
"Gross Drainage Area"	- is that area enclosed by a topographic divide between adjacent watersheds. The designation N/A is given where the gross drainage area is not available or not applicable because the station is located on a water supply canal.

BRITISH EQUIVALENTS

The following table shows British equivalents of metric units used in this publication. They are intended for convenient approximation rather than a high degree of accuracy.

	Metric	British
Elevation	1 metre (m)	3.2808 feet (ft)
Length	1 kilometre (km)	0.6214 mile (mi)
Area	1 square metre (m^2)	10.7639 square feet (sq. ft.)
Area	1 sqaure kilometre (km^2)	0.3861 square miles (mi^2)
Volume	1 cubic metre (m^3)	35.315 cubic feet (ft^3)
Volume	1 cubic decametre (Dam^3)	0.810 acre-feet (ac. ft.)
Rate of Flow	1 cubic metre per second (m^3/s)	35.315 cubic feet per second (cfs)

STATION DESCRIPTIONS

AND

HYDROMETRIC DATA

STREAMFLOW STATION DESCRIPTION

STATION NAME: Aylsham Ditch near Aylsham

REFERENCE NUMBER: 28-101

LOCATION: NE 35-48-13-W2
1.6 km east and 0.8 km south of Aylsham

GROSS DRAINAGE AREA: 106 SQUARE KILOMETRES

GAUGE AND DATUM: Wire weight gauge set to geodetic datum.

PERIOD OF RECORD: Miscellaneous measurements 1953, 1955 and mainly spring runoff 1956 to 1974, 1978 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE: 34.0 m^3/s on April 24, 1975

MINIMUM DAILY MEAN DISCHARGE: Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION: Four 36-inch C.M.P. with lift gates

REMARKS: Records gathered by Saskatchewan Environment.

STATION NO. 028-101

AYLSHAM DITCH NEAR AYLSHAM

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			1
2			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			2
3			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			3
4			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			4
5			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			5
6			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			6
7			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			7
8			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			8
9			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			9
10			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			10
11			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			11
12			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			12
13			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			13
14			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			14
15			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			15
16			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			16
17			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			17
18			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			18
19			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			19
20			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			20
21			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			21
22			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			22
23			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			23
24			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			24
25			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			25
26			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			26
27			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			27
28			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			28
29			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			29
30			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			30
31			0 E		0 E		0 E		0 E				31
TOTAL			0	0	0	0	0	0	0	0			TOTAL
MEAN			0	0	0	0	0	0	0	0			MEAN
DAM3			0	0	0	0	0	0	0	0			DAM3
MAX			0	0	0	0	0	0	0	0			MAX
MIN			0	0	0	0	0	0	0	0			MIN

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN DISCHARGE, 0 M3/S

TOTAL DISCHARGE, 0 DAM3

MAXIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1

MINIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Big Sandy Lake on Hanson Lake Road

REFERENCE NUMBER: 67-116

LOCATION: SW 21-63-15-W2
4.8 km off Hanson Lake Road at Mile 88

GROSS DRAINAGE AREA: 474 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Periods of varying length, mainly during open water season 1965 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 394.277 m on August 23, 1970

MINIMUM DAILY MEAN ELEVATION: 393.213 m on July 31, 1968, August 22, 1969 and October 19, 1977

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Saskatchewan Environment. Records prior to 1966 were published under reference number 29-113. For records prior to 1970 add 367.196 m to convert to geodetic datum.

BIG SANDY LAKE ON HANSON LAKE ROAD

STATION NO. 067-116

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						393.402	393.414	393.400	393.322	393.286			1
2						393.402	393.414	393.398	393.320	393.288			2
3						393.402	393.414	393.394	393.314	393.289			3
4						393.400	393.415	393.392	393.310	393.289			4
5						393.398	393.412	393.392	393.308	393.289			5
6						393.398	393.409	393.391	393.302	393.289			6
7						393.400	393.409	393.389	393.298	393.292			7
8						393.401	393.407	393.387	393.288	393.290			8
9						393.401	393.405	393.386	393.282	393.288			9
10						393.401	393.402	393.384	393.276	393.288			10
11						393.401	393.401	393.380	393.272	393.288			11
12						393.401	393.400	393.378	393.272	393.288			12
13						393.400	393.399	393.375	393.272	393.286			13
14	393.349					393.402	393.400	393.370	393.270	393.286			14
15						393.402	393.402	393.368	393.270	393.286 E			15
16						393.404	393.402	393.364	393.270	393.286 E			16
17						393.404	393.402	393.350	393.272	393.286 E			17
18						393.403	393.402	393.355	393.272	393.286 E			18
19					393.363	393.404	393.402	393.354	393.274	393.286 E			19
20					393.366 E	393.403	393.402	393.342	393.274	393.286 E			20
21					393.369 E	393.407	393.400	393.342	393.274	393.286 E			21
22					393.372 E	393.406	393.400	393.342	393.274	393.286 E			22
23					393.375 E	393.406	393.401	393.341	393.276	393.286			23
24					393.378 E	393.409	393.401	393.338	393.276	393.288 E			24
25					393.381 E	393.411	393.401	393.338	393.278	393.290 E			25
26					393.384 E	393.411	393.402	393.336	393.278	393.292 E			26
27					393.387 E	393.411	393.404	393.334	393.280	393.294			27
28					393.390 E	393.411	393.404	393.332	393.282	393.298 E			28
29					393.393 E	393.411	393.400	393.330	393.282	393.294 E			29
30					393.396 E	393.413	393.408	393.326	393.284	393.294 E			30
31					393.399		393.400	393.324		393.294			31
MEAN						393.404	393.404	393.362	393.284	393.289			MEAN
MAX						393.413	393.415	393.400	393.322	393.298			MAX
MIN						393.398	393.399	393.324	393.270	393.286			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 393.415 METRES ON JUL 4

MINIMUM DAILY WATER LEVEL, 393.270 METRES ON SEP 14

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

STREAMFLOW STATION DESCRIPTION

STATION NAME: Briercrest Creek near Briercrest

REFERENCE NUMBER: 23-317

LOCATION: SW 17-14-24-W2
0.4 km east of Briercrest

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to assumed datum.

PERIOD OF RECORD: Miscellaneous measurements 1974 and mainly spring runoff 1976 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE: 10.4 m^3/s on April 14, 1974

MINIMUM DAILY MEAN DISCHARGE: Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION: Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

BRIERCREST CREEK NEAR BRIERCREST STATION NO. 023-317

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			1
2			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			2
3			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			3
4			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			4
5			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			5
6			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			6
7			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			7
8			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			8
9			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			9
10			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			10
11			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			11
12			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			12
13			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			13
14			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			14
15			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			15
16			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			16
17			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			17
18			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			18
19			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			19
20			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			20
21			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			21
22			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			22
23			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			23
24			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			24
25			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			25
26			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			26
27			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			27
28			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			28
29			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			29
30			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			30
31			0 E		0 E		0 E	0 E		0 E			31
TOTAL			0	0	0	0	0	0	0	0			TOTAL
MEAN			0	0	0	0	0	0	0	0			MEAN
DAM3			0	0	0	0	0	0	0	0			DAM3
MAX			0	0	0	0	0	0	0	0			MAX
MIN			0	0	0	0	0	0	0	0			MIN

SUMMARY FOR THE MONTHS MAR TO OCT
MEAN DISCHARGE, 0 M3/S
TOTAL DISCHARGE, 0 DAM3
MAXIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1
MINIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Brightsand Lake near St. Walburg

REFERENCE NUMBER: 29-124

LOCATION: SW 11-54-20-W3
At Regional Park Beach near St. Walburg

GROSS DRAINAGE AREA: 194 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Periods of varying length, mainly during open water season 1966 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 663.508 m on July 17, 1979

MINIMUM DAILY MEAN ELEVATION: 662.906 m on October 18, 1970

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Saskatchewan Environment. Add 635.340 m to records prior to 1980 to convert to geodetic datum.

BRIGHTSAND LAKE NEAR ST WALBURG

STATION NO. 029-124

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						663.348	663.277 E	663.276	663.202 E	663.104	663.084 E		1
2						663.345	663.290	663.275 E	663.195	663.103	663.050		2
3			663.313			663.341 E	663.289 E	663.278	663.182	663.099 E	663.048		3
4						663.337	663.287	663.274	663.172	663.096	663.046 E		4
5						663.328	663.292	663.273 E	663.172 E	663.096	663.048 E		5
6						663.328	663.293	663.271 E	663.173	663.094 E	663.042		6
7						663.329 E	663.290	663.269	663.173	663.092	663.038		7
8						663.330	663.290 E	663.269	663.173	663.087 E	663.038 E		8
9						663.331	663.290 E	663.269 E	663.173	663.086 E	663.038		9
10						663.332	663.290 E	663.269	663.169	663.077			10
11						663.323 E	663.290 E	663.269	663.163	663.072 E			11
12						663.313	663.290	663.269	663.159	663.067			12
13						663.308 E	663.290	663.266 E	663.155	663.057			13
14						663.302 E	663.290	663.263 E	663.152 E	663.055 E			14
15						663.296	663.290	663.260	663.148	663.053			15
16						663.292 E	663.290 E	663.260	663.142 E	663.052 E			16
17						663.287	663.291 E	663.260	663.137 E	663.050 E			17
18						663.284 E	663.291 E	663.260 E	663.132	663.048			18
19						663.289	663.291 E	663.260	663.130	663.048 E			19
20						663.290	663.291 E	663.260 E	663.130	663.049			20
21						663.291 E	663.291 E	663.261	663.128 E	663.040 E			21
22						663.292	663.291 E	663.257 E	663.127 E	663.032			22
23					663.338	663.292 E	663.291	663.254 E	663.125	663.028			23
24					663.338	663.292	663.289 E	663.251	663.125	663.028 E			24
25					663.345	663.288 E	663.288 E	663.248	663.120 E	663.028			25
26					663.342	663.285	663.286 E	663.247	663.115	663.028			26
27					663.340	663.279 E	663.284 E	663.247 E	663.115	663.027 E			27
28					663.341	663.271 E	663.283 E	663.247	663.110 E	663.026			28
29					663.342	663.267	663.281 E	663.236 E	663.105	663.030 E			29
30					663.343	663.264	663.280 E	663.224 E	663.106	663.034 E			30
31					663.344		663.278	663.212		663.038			31
MEAN						663.305	663.288	663.259	663.147	663.059			MEAN
MAX						663.348	663.291	663.276	663.202	663.108			MAX
MIN						663.264	663.277	663.212	663.105	663.026			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 663.345 METRES ON MAY 25

MINIMUM DAILY WATER LEVEL, 663.026 METRES ON OCT 28

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

STREAMFLOW STATION DESCRIPTION

STATION NAME: Carrot River near Edenbridge

REFERENCE NUMBER: 28-179

LOCATION: NE 13-47-17-W2
3.2 km south of Edenbridge

GROSS DRAINAGE AREA: 3455 SQUARE KILOMETRES

GAUGE AND DATUM: Wire weight gauge set to geodetic datum.

PERIOD OF RECORD: Mainly spring runoff 1973 to 1980

Little flow during 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE: 251 m^3/s on April 22, 1974

MINIMUM DAILY MEAN DISCHARGE: Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION: Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

Carrot River near Edenbridge

Little flow during 1981

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Chaplin East Lake near Chaplin

REFERENCE NUMBER: 11-118

LOCATION: SW 21-17-5-W3
1.6 km south and 0.8 km east of Chaplin

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly open water season 1972, 1973 and 1975 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 661.291 m on April 12, 1976

MINIMUM DAILY MEAN ELEVATION: Dry (various occasions)

DESCRIPTION OF OUTLET CONDITIONS: Stop-log control structure on improved channel

REMARKS: Records gathered by Saskatchewan Minerals, Sodium Sulphate Division. Deduct 0.610 m from 1973-1978 records (inclusive) due to datum error.

CHAPLIN EAST LAKE NEAR CHAPLIN — STATION NO. 011-110

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				660.639	DRY	DRY	660.694 E	660.711 E	DRY	660.662 E			1
2				660.670 E	DRY	DRY	660.690 E	660.703 E	DRY	660.656 E			2
3				660.700	DRY	DRY	660.687	660.695 E	DRY	660.651 E			3
4				660.700 E	DRY	DRY	660.689 E	660.687	DRY	660.645 E			4
5				660.700 E	DRY	DRY	660.690 E	660.682 E	DRY	660.640			5
6				660.700 E	DRY	DRY	660.692 E	660.677	DRY	DRY			6
7				660.700 E	DRY	DRY	660.694 E	660.670 E	DRY	DRY			7
8				660.700	DRY	DRY	660.695 E	660.662 E	DRY	DRY			8
9				660.700 E	DRY	DRY	660.697	660.655 E	DRY	DRY			9
10				660.700	DRY	DRY	660.702 E	660.647	DRY	DRY			10
11				660.710 E	DRY	DRY	660.707 E	660.644 E	DRY	DRY			11
12				660.720 E	DRY	DRY	660.712 E	660.640	DRY	DRY			12
13				660.730	DRY	DRY	660.717	DRY	DRY	660.640			13
14				660.739	DRY	DRY	660.706 E	DRY	DRY	660.669 E			14
15				660.739 E	DRY	660.687	660.695 E	DRY	DRY	660.697			15
16				DRY	DRY	660.687 E	660.683 E	DRY	DRY	660.688 E			16
17			660.761	DRY	DRY	660.687 E	660.672	DRY	DRY	660.678 E			17
18			660.761 E	DRY	DRY	660.687	660.675 E	660.667	DRY	660.669			18
19			660.761 E	DRY	DRY	660.693 E	660.678	660.660 E	DRY	660.659 E			19
20			660.761 E	DRY	DRY	660.699 E	660.681 E	660.654 E	DRY	660.650 E			20
21			660.761 E	DRY	DRY	660.705 E	660.684 E	660.647	DRY	660.640			21
22			660.761 E	DRY	DRY	660.711 E	660.687	660.645 E	DRY	DRY			22
23			660.761	DRY	DRY	660.717	660.677 E	660.642 E	DRY	DRY			23
24			660.747 E	DRY	DRY	660.750 E	660.667	660.640	DRY	DRY			24
25			660.734 E	DRY	DRY	660.784 E	660.677 E	660.642 E	660.640	DRY			25
26			660.720 E	DRY	DRY	660.817	660.687 E	660.645 E	660.645 E	DRY			26
27			660.707 E	DRY	DRY	660.787 E	660.697 E	660.647	660.651 E	DRY			27
28			660.693 E	DRY	DRY	660.757	660.707	660.645 E	660.656 E	DRY			28
29			660.680 E	DRY	DRY	660.727 E	660.717 E	660.642 E	660.662 E	DRY			29
30			660.666 E	DRY	DRY	660.697	660.727	660.640	660.667	DRY			30
31			660.653 E		DRY		660.719 E	DRY		DRY			31
MEAN							660.694						MEAN
MAX							660.727						MAX
MIN							660.667						MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 660.817 METRES ON JUN 26

MINIMUM DAILY WATER LEVEL, DRY ON APR 16

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Chaplin East Lake - South Division - near Chaplin

REFERENCE NUMBER: 11-118A

LOCATION: SW 21-17-5-W3

1.6 km south and 0.8 km east of Chaplin

GROSS DRAINAGE AREA: N/A SQUARE MILES KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum

PERIOD OF RECORD: Mainly open water season 1972, 1973 and 1975-1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 661.355 m on May 22, 1981

MINIMUM DAILY MEAN ELEVATION: Dry (various occasions)

DESCRIPTION OF OUTLET CONDITIONS:

REMARKS: Records gathered by Saskatchewan Minerals, Sodium Sulphate Division.

CHAPLIN EAST LAKE - SOUTH DIVISION - NEAR CHAPLIN STATION NO. 11-118A

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					DRY	661.087	661.181 E	661.052 E	DRY	660.824 E			1
2					DRY	661.057	661.184 E	661.046 E	DRY	660.821 E			2
3					DRY	661.037	661.177 E	661.040 E	DRY	660.819 E			3
4					DRY	661.042 E	661.145 E	661.033 E	DRY	660.816 E			4
5					DRY	661.047	661.114 E	661.027	DRY	660.813 E			5
6					DRY	661.000	661.082 E	661.021 E	DRY	660.810			6
7					DRY	660.810 E	661.050 E	661.015 E	DRY	DRY			7
8					DRY	DRY	661.018 E	661.009 E	DRY	DRY			8
9					DRY	DRY	660.987	661.003 E	DRY	DRY			9
10					DRY	DRY	661.001 E	660.997	DRY	DRY			10
11					DRY	DRY	661.015 E	660.960 E	DRY	DRY			11
12					DRY	DRY	661.028 E	660.922 E	DRY	DRY			12
13					DRY	DRY	661.042 E	660.885 E	DRY	DRY			13
14					DRY	DRY	661.056 E	660.847 E	DRY	DRY			14
15					DRY	DRY	661.070 E	660.810	DRY	DRY			15
16					DRY	660.810 E	661.083 E	DRY	DRY	DRY			16
17					DRY	661.226 E	661.097	DRY	DRY	DRY			17
18					DRY	661.247	661.093 E	DRY	DRY	DRY			18
19					DRY	661.245 E	661.089 E	660.910	DRY	DRY			19
20					DRY	661.243 E	661.085 E	660.957	DRY	DRY			20
21					661.325	661.241 E	661.081 E	660.937 E	DRY	DRY			21
22					661.355	661.239 E	661.077	660.917 E	DRY	DRY			22
23					661.342 E	661.237	661.077 E	660.897 E	DRY	DRY			23
24					661.328 E	661.234 E	661.077	660.877	DRY	DRY			24
25					661.318	661.230 E	661.077 E	660.866 E	660.810	DRY			25
26					661.276 E	661.227	661.077 E	660.855 E	660.813 E	DRY			26
27					661.236	661.220 E	661.077 E	660.844 E	660.817 E	DRY			27
28					661.206 E	661.213 E	661.077	660.832 E	660.820 E	DRY			28
29					661.176 E	661.206 E	661.071 E	660.821 E	660.824 E	DRY			29
30					661.147 E	661.198 E	661.065 E	660.810	660.827	DRY			30
31					661.117 E		661.058 E	DRY		DRY			31
MEAN							661.078						MEAN
MAX							661.191						MAX
MIN							660.987						MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 661.355 METRES ON MAY 22

MINIMUM DAILY WATER LEVEL, DRY ON MAY 1

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Chaplin Lakes - Midtskogen Bay - near Chaplin

REFERENCE NUMBER: 11-117

LOCATION: NE 5-17-5-W3
5.8 km south of Chaplin

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly open water season 1972, 1973 and 1975 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 663.479 m on April 21, 1976

MINIMUM DAILY MEAN ELEVATION: 661.767 m on July 30, 1973

DESCRIPTION OF OUTLET CONDITIONS: Stop-log control structure on constructed ditch

REMARKS: Records gathered by Saskatchewan Minerals, Sodium Sulphate Division.

CHAPLIN LAKES - MIDYSKOGEN BAY NEAR CHAPLIN STATION NO. 011-117

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				662.291	662.317 E	662.757	662.848 E	662.739 E	662.563 E	662.254 E			1
2				662.292 E	662.320 E	662.787	662.847 E	662.735 E	662.550 E	662.250 E			2
3				662.292 E	662.324 E	662.817	662.847 E	662.731 E	662.536 E	662.247 E			3
4				662.293 E	662.327 E	662.837	662.848 E	662.727 E	662.525 E	662.244 E			4
5				662.294 E	662.329 E	662.847	662.828 E	662.722 E	662.508 E	662.240 E			5
6				662.294 E	662.331 E	662.837 E	662.807	662.717	662.495 E	662.237			6
7				662.295 E	662.331 E	662.837 E	662.792 E	662.710 E	662.481 E	662.237 E			7
8				662.296 E	662.332 E	662.837	662.775	662.702 E	662.463	662.237 E			8
9				662.296 E	662.335	662.837	662.767	662.695 E	662.404 E	662.237 E			9
10				662.297	662.345 E	662.832 E	662.772 E	662.687	662.340 E	662.237 E			10
11				662.304 E	662.352 E	662.827	662.747	662.682 E	662.277	662.237 E			11
12				662.310 E	662.360 E	662.835 E	662.742 E	662.677 E	662.207 E	662.237 E			12
13				662.317 E	662.367	662.843 E	662.737 E	662.672 E	662.197 E	662.237 E			13
14				662.320 E	662.374 E	662.852 E	662.740 E	662.669	662.187	662.237 E			14
15				662.324 E	662.380 E	662.857	662.742 E	662.664 E	662.187	662.237			15
16				662.327	662.327 E	662.867 E	662.745 E	662.660 E	662.217 E	662.234 E			16
17			662.352	662.342 E	662.314 E	662.877 E	662.747	662.657	662.247	662.231 E			17
18			662.352 E	662.346 E	662.300 E	662.887	662.751 E	662.637	662.247 E	662.228 E			18
19			662.352 E	662.347 E	662.287	662.877	662.755 E	662.630 E	662.247 E	662.226 E			19
20			662.352 E	662.347	662.310 E	662.875 E	662.759 E	662.624 E	662.247 E	662.223 E			20
21			662.352 E	662.345 E	662.338 E	662.872 E	662.763 E	662.617	662.247 E	662.220 E			21
22			662.352 E	662.342 E	662.357 E	662.870 E	662.767	662.614 E	662.247	662.217			22
23			662.352 E	662.346 E	662.380 E	662.867	662.752 E	662.610 E	662.248 E	662.216 E			23
24			662.352 E	662.337	662.408 E	662.870 E	662.737	662.607	662.250 E	662.215 E			24
25			662.364 E	662.348 E	662.427	662.878 E	662.740 E	662.607	662.251 E	662.218 E			25
26			662.337 E	662.342 E	662.477 E	662.877	662.742 E	662.587 E	662.252 E	662.213 E			26
27			662.329 E	662.345 E	662.527	662.875 E	662.745 E	662.587	662.252 E	662.211 E			27
28			662.332 E	662.347	662.557	662.872 E	662.747	662.578 E	662.255 E	662.210 E			28
29			662.314 E	662.350 E	662.607 E	662.870 E	662.747 E	662.572 E	662.256 E	662.209 E			29
30			662.306	662.313	662.657 E	662.867	662.747	662.575 E	662.257	662.208 E			30
31			662.299 E		662.707 E		662.743 E	662.577		662.207			31
MEAN				662.319	662.388	662.851	662.770	662.653	662.331	662.229			MEAN
MAX				662.347	662.707	662.887	662.848	662.739	662.563	662.254			MAX
MIN				662.291	662.287	662.757	662.737	662.567	662.187	662.207			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 662.887 METRES ON JUN 18

MINIMUM DAILY WATER LEVEL, 662.187 METRES ON SEP 15

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Chaplin Lakes - Miller (Artificial) Lake near Chaplin

REFERENCE NUMBER: 11-116

LOCATION: NW 22-16-5-W3
10.3 km south and 4.0 km east of Chaplin

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly during open water season 1972, 1973 and 1975 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 663.458 m on April 9 and 12, 1976

MINIMUM DAILY MEAN ELEVATION: Dry on May 21, 1981

DESCRIPTION OF OUTLET CONDITIONS: Wood box culvert with stop-log control structure. Bottom elevation 662.330 m

REMARKS: Records gathered by Saskatchewan Minerals, Sodium Sulphate Division.

CHAPLIN LAKES - MILLER (ARTIFICIAL) LAKE NEAR CHAPLIN STATION NO. 011-116

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				662.727	662.730 E	DRY	DRY	DRY	DRY	DRY			1
2				662.736 E	662.736 E	DRY	DRY	DRY	DRY	DRY			2
3				662.742	662.739 E	DRY	DRY	DRY	DRY	DRY			3
4				662.745 E	662.742	DRY	DRY	DRY	DRY	DRY			4
5				662.748 E	662.742 E	DRY	DRY	DRY	DRY	DRY			5
6				662.751 E	662.739 E	DRY	DRY	DRY	DRY	DRY			6
7				662.754 E	662.739 E	DRY	DRY	DRY	DRY	DRY			7
8				662.757	662.736 E	DRY	DRY	DRY	DRY	DRY			8
9				662.757 E	662.736 E	DRY	DRY	DRY	DRY	DRY			9
10				662.757	662.733 E	DRY	DRY	DRY	DRY	DRY			10
11				662.757 E	662.733 E	DRY	DRY	DRY	DRY	DRY			11
12				662.757 E	662.730 E	DRY	DRY	DRY	DRY	DRY			12
13				662.757	662.730 E	DRY	DRY	DRY	DRY	DRY			13
14				662.766 E	662.727	DRY	DRY	DRY	DRY	DRY			14
15				662.775 E	662.720 E	DRY	DRY	DRY	DRY	DRY			15
16				662.788	662.714 E	DRY	DRY	DRY	DRY	DRY			16
17			662.574	662.818 E	662.708 E	DRY	DRY	DRY	DRY	DRY			17
18			662.577 E	662.849 E	662.702 E	DRY	DRY	DRY	DRY	DRY			18
19			662.583 E	662.879 E	662.696	DRY	DRY	DRY	DRY	DRY			19
20			662.586 E	662.909	662.330 E	DRY	DRY	DRY	DRY	DRY			20
21			662.592 E	662.879 E	DRY	DRY	DRY	DRY	DRY	DRY			21
22			662.596 E	662.849 E	DRY	DRY	DRY	DRY	DRY	DRY			22
23			662.602 E	662.818 E	DRY	DRY	DRY	DRY	DRY	DRY			23
24			662.605	662.788	DRY	DRY	DRY	DRY	DRY	DRY			24
25			662.620 E	662.788 E	DRY	DRY	DRY	DRY	DRY	DRY			25
26			662.635 E	662.788 E	DRY	DRY	DRY	DRY	DRY	DRY			26
27			662.650 E	662.788 E	DRY	DRY	DRY	DRY	DRY	DRY			27
28			662.666 E	662.788	DRY	DRY	DRY	DRY	DRY	DRY			28
29			662.681 E	662.757 E	DRY	DRY	DRY	DRY	DRY	DRY			29
30			662.696 E	662.727	DRY	DRY	DRY	DRY	DRY	DRY			30
31			662.711 E		DRY		DRY	DRY					31
MEAN				662.783									MEAN
MAX				662.909									MAX
MIN				662.727									MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 662.909 METRES ON APR 20

MINIMUM DAILY WATER LEVEL, DRY ON MAY 21

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Chaplin West Lake - East Division - near Chaplin

REFERENCE NUMBER: 11-119

LOCATION: SW 21-17-5-W3
1.6 km south and 0.8 km east of Chaplin

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly open water season 1972, 1973 and 1975 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 660.913 m on May 27, 1975

MINIMUM DAILY MEAN ELEVATION: Dry (various occasions)

DESCRIPTION OF OUTLET CONDITIONS: Closed drainage basin

REMARKS: Records gathered by Saskatchewan Minerals, Sodium Sulphate Division. The West Lake was subdivided in 1977 into three sections with different water levels in each division. Deduct 0.610 m from 1973-1978 records (inclusive) due to datum error.

CHAPLIN WEST LAKE - EAST DIVISION - NEAR CHAPLIN

STATION NO. 011-119

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				660.709	660.678 E	DRY	660.700 E	660.705 E	DRY	660.651 E			1
2				660.724 E	660.678 E	DRY	660.704 E	660.699 E	DRY	660.645 E			2
3				660.739	660.678 E	DRY	660.707	660.693 E	DRY	660.639 E			3
4				660.739 E	660.678	DRY	660.705 E	660.687	DRY	660.633 E			4
5				660.739 E	660.663 E	DRY	660.708 E	660.677 E	DRY	660.627			5
6				660.739 E	660.648	DRY	660.702 E	660.667	DRY	DRY			6
7				660.739 E	DRY	DRY	660.700 E	660.662 E	DRY	DRY			7
8				660.739	DRY	DRY	660.699 E	660.657 E	DRY	DRY			8
9				660.755 E	DRY	DRY	660.697	660.652 E	DRY	DRY			9
10				660.770	DRY	DRY	660.690 E	660.647	DRY	DRY			10
11				660.760 E	DRY	DRY	660.682 E	660.627	DRY	DRY			11
12				660.749 E	DRY	DRY	660.675 E	660.627 E	DRY	DRY			12
13				660.739	DRY	DRY	660.667	DRY	DRY	660.627			13
14				660.729 E	DRY	660.647	660.667 E	DRY	DRY	660.662 E			14
15				660.719 E	DRY	660.667	660.667 E	DRY	DRY	660.697			15
16				660.709	DRY	660.674 E	660.667 E	DRY	DRY	660.685 E			16
17			660.739	660.709 E	DRY	660.680 E	660.667	DRY	DRY	660.678 E			17
18			660.739 E	660.709 E	DRY	660.687	660.671 E	DRY	DRY	660.662 E			18
19			660.739 E	660.709 E	DRY	660.695 E	660.675 E	DRY	DRY	660.650 E			19
20			660.739 E	660.709	DRY	660.703 E	660.679 E	DRY	DRY	660.639 E			20
21			660.739 E	660.709 E	DRY	660.711 E	660.683 E	DRY	DRY	660.627			21
22			660.739 E	660.709 E	DRY	660.719 E	660.687	DRY	DRY	DRY			22
23			660.739	660.709 E	DRY	660.727	660.682 E	DRY	DRY	DRY			23
24			660.736 E	660.709	DRY	660.734 E	660.677	DRY	DRY	DRY			24
25			660.732 E	660.709 E	DRY	660.740 E	660.682 E	DRY	DRY	DRY			25
26			660.729 E	660.709 E	DRY	660.747	660.687 E	DRY	660.627	DRY			26
27			660.726 E	660.709 E	DRY	660.735 E	660.692 E	DRY	660.635 E	DRY			27
28			660.722 E	660.709	DRY	660.722 E	660.685	DRY	660.682 E	DRY			28
29			660.719 E	660.694 E	DRY	660.710 E	660.707 E	DRY	660.650 E	DRY			29
30			660.716 E	660.678	DRY	660.697	660.717	DRY	660.657	DRY			30
31			660.712 E		DRY		660.711 E	DRY		DRY			31
MEAN				660.723			660.689						MEAN
MAX				660.770			660.717						MAX
MIN				660.678			660.667						MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 660.770 METRES ON APR 10

MINIMUM DAILY WATER LEVEL, DRY ON MAY 7

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Chaplin West Lake - Centre Division - near Chaplin

REFERENCE NUMBER: 11-119A

LOCATION: SE 19-17-5-W3

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly open water season 1979 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 660.749 m on April 20, 1981

MINIMUM DAILY MEAN ELEVATION: Dry (various occasions)

DESCRIPTION OF OUTLET CONDITIONS: Closed drainage basin

REMARKS: This is a sub-division of the former Chaplin West Lake.

CHAPLIN WEST LAKE - CENTRE DIVISION - NEAR CHAPLIN STATION NO. 11-119A

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				660.719	DRY	DRY	660.677 E	660.679 E	DRY	DRY			1
2				660.709 E	DRY	DRY	660.697 E	660.675 E	DRY	DRY			2
3				660.699	DRY	DRY	660.717	660.671 E	DRY	DRY			3
4				660.691 E	DRY	DRY	660.698 E	660.667	DRY	DRY			4
5				660.683 E	DRY	DRY	660.670 E	660.632 E	DRY	DRY			5
6				660.675 E	DRY	DRY	660.647 E	DRY	DRY	DRY			6
7				660.667 E	DRY	DRY	660.624 E	DRY	DRY	DRY			7
8				660.659	DRY	DRY	660.600 E	DRY	DRY	DRY			8
9				660.629 E	DRY	DRY	660.577	DRY	DRY	DRY			9
10				DRY	DRY	DRY	660.585 E	DRY	DRY	DRY			10
11				DRY	DRY	DRY	660.592 E	DRY	DRY	DRY			11
12				DRY	DRY	DRY	660.600 E	DRY	DRY	DRY			12
13				DRY	DRY	DRY	660.607	DRY	DRY	DRY			13
14				DRY	DRY	660.623	660.622 E	DRY	DRY	DRY			14
15				660.639	DRY	660.642 E	660.637 E	DRY	DRY	DRY			15
16				660.671 E	DRY	660.660 E	660.652 E	DRY	DRY	DRY			16
17			660.629	660.703 E	DRY	660.679 E	660.667	DRY	DRY	DRY			17
18			660.629 E	660.735 E	DRY	660.697	660.671 E	DRY	DRY	DRY			18
19			660.629 E	660.767 E	DRY	660.703 E	660.675 E	DRY	DRY	DRY			19
20			660.629 E	660.799	DRY	660.709 E	660.679 E	DRY	DRY	DRY			20
21			660.629 E	660.768 E	DRY	660.715 E	660.683 E	DRY	DRY	DRY			21
22			660.629 E	660.737 E	DRY	660.721 E	660.687	DRY	DRY	DRY			22
23			660.629	660.705 E	DRY	660.727	660.652 E	DRY	DRY	DRY			23
24			660.639 E	660.674	DRY	660.730 E	660.617	DRY	DRY	DRY			24
25			660.649 E	660.662 E	DRY	660.738 E	660.625 E	DRY	DRY	DRY			25
26			660.659 E	660.651 E	DRY	660.737	660.632 E	DRY	DRY	DRY			26
27			660.669 E	660.639	DRY	660.717 E	660.640 E	DRY	DRY	DRY			27
28			660.679 E	DRY	DRY	660.697 E	660.647	DRY	DRY	DRY			28
29			660.689 E	DRY	DRY	660.677 E	660.667 E	DRY	DRY	DRY			29
30			660.699 E	DRY	DRY	660.657	660.687	DRY	DRY	DRY			30
31			660.709 E		DRY		660.683 E	DRY		DRY			31
MEAN							660.649						MEAN
MAX							660.717						MAX
MIN							660.577						MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 660.799 METRES ON APR 20

MINIMUM DAILY WATER LEVEL, DRY ON APR 10

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Chaplin West Lake - West Division - near Chaplin

REFERENCE NUMBER: 11-119B

LOCATION: SE 19-17-5-W3

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly open water season 1979 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 660.812 m on April 1, 1981

MINIMUM DAILY MEAN ELEVATION: Dry (various occasions)

DESCRIPTION OF OUTLET CONDITIONS: Closed drainage basin

REMARKS: This is a sub-division of the former Chaplin West Lake. Deduct 1.000 m from 1979 data due to error in gauge datum.

CHAPLIN WEST LAKE - WEST DIVISION - NEAR CHAPLIN

STATION NO. 11-1198

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				660.812	DRY	DRY	660.680 E	660.730 E	DRY	DRY			1
2				660.711 E	DRY	DRY	660.675 E	660.735 E	DRY	DRY			2
3				660.610	DRY	DRY	660.667	660.745 E	DRY	DRY			3
4				660.618 E	DRY	DRY	660.659 E	660.757	DRY	DRY			4
5				660.626 E	DRY	DRY	660.651 E	660.762 E	DRY	DRY			5
6				660.638 E	DRY	DRY	660.643 E	660.667	DRY	DRY			6
7				660.642 E	DRY	DRY	660.635 E	660.685 E	DRY	DRY			7
8				660.650	DRY	DRY	660.627	660.705 E	DRY	DRY			8
9				660.645 E	DRY	DRY	DRY	660.720 E	DRY	DRY			9
10				660.640	DRY	DRY	660.627	660.737	DRY	DRY			10
11				660.650 E	DRY	DRY	660.649 E	660.682 E	DRY	DRY			11
12				660.660 E	DRY	DRY	660.671 E	660.627	DRY	DRY			12
13				660.670	DRY	DRY	660.691 E	DRY	DRY	660.627			13
14				660.662 E	DRY	660.627	660.715 E	DRY	DRY	660.633 E			14
15				660.653 E	DRY	660.717	660.737	DRY	DRY	660.639			15
16				660.645 E	DRY	660.750 E	660.702 E	DRY	DRY	660.639 E			16
17			660.560	660.637 E	DRY	660.724 E	660.667	DRY	DRY	660.638			17
18			660.570 E	660.628 E	DRY	660.697	660.685 E	DRY	DRY	660.638			18
19			660.580 E	660.620	DRY	660.711 E	660.703 E	DRY	DRY	660.638 E			19
20			660.590 E	DRY	DRY	660.729 E	660.721 E	DRY	DRY	660.638 E			20
21			660.600 E	DRY	DRY	660.745 E	660.739 E	DRY	DRY	660.637 E			21
22			660.610 E	DRY	DRY	660.761 E	660.757	DRY	DRY	660.637			22
23			660.620	DRY	DRY	660.777	660.712 E	DRY	DRY	660.635 E			23
24			660.641 E	DRY	DRY	660.727 E	660.667	DRY	DRY	660.632 E			24
25			660.663 E	DRY	DRY	660.677 E	660.667 E	DRY	DRY	660.630 E			25
26			660.684 E	DRY	DRY	660.627	660.667 E	DRY	DRY	660.627			26
27			660.705 E	DRY	DRY	660.642 E	660.667 E	DRY	DRY	DRY			27
28			660.727 E	DRY	DRY	660.657 E	660.667	DRY	DRY	DRY			28
29			660.748 E	DRY	DRY	660.672 E	660.687 E	DRY	DRY	DRY			29
30			660.769 E	DRY	DRY	660.687	660.707 E	DRY	DRY	DRY			30
31			660.791 E		DRY		660.727	DRY		DRY			31
MEAN													MEAN
MAX													MAX
MIN													MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 660.812 METRES ON APR 1

MINIMUM DAILY WATER LEVEL, DRY ON APR 20

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Crescent Lake near Yorkton

REFERENCE NUMBER: 31-131

LOCATION: SW 35-23-4-W2
19.3 km south of Yorkton

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly open water season 1974 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 511.997 m on April 30, 1976

MINIMUM DAILY MEAN ELEVATION: 510.488 m on October 6, 1980

DESCRIPTION OF OUTLET CONDITIONS: Gated culvert on rock ford crossing

REMARKS: Records gathered by Ducks Unlimited (Canada).

CRESCENT LAKE NEAR YORKTON

STATION NO. 031-131

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					510.570 E	510.687 E	510.644	510.610 E	510.573 E				1
2					510.567 E	510.671 E	510.641 E	510.610 E	510.564 E				2
3					510.567 E	510.695 E	510.637 E	510.610 E	510.555 E				3
4					510.567 E	510.717 E	510.634 E	510.610 E	510.546 E				4
5					510.567 E	510.741 E	510.628 E	510.610 E	510.537 E				5
6					510.567 E	510.766 E	510.625 E	510.610 E	510.528 E				6
7					510.564 E	510.790 E	510.625 E	510.610 E	510.519 E				7
8					510.564 E	510.812	510.618	510.610	510.509				8
9					510.564 E	510.790 E	510.622 E	510.607 E					9
10					510.564 E	510.766 E	510.622 E	510.607 E					10
11					510.564 E	510.741 E	510.625 E	510.607 E					11
12					510.561 E	510.720 E	510.625 E	510.607 E					12
13					510.561 E	510.695 E	510.628 E	510.607 E					13
14					510.561 E	510.671 E	510.628 E	510.607 E					14
15					510.561 E	510.643 E	510.631 E	510.607 E					15
16					510.561 E	510.622	510.631 E	510.607 E					16
17					510.561 E	510.622 E	510.634	510.604 E					17
18					510.558 E	510.628 E	510.631 E	510.604 E					18
19					510.558 E	510.635 E	510.631 E	510.604 E					19
20					510.558	510.637 E	510.628 E	510.604					20
21					510.561 E	510.641 E	510.625 E	510.601 E					21
22					510.561 E	510.644	510.625 E	510.598 E					22
23				510.573	510.564 E	510.644	510.622 E	510.592 E					23
24				510.573 E	510.564 E	510.644 E	510.616 E	510.586 E					24
25				510.573 E	510.567 E	510.644 E	510.616 E	510.586 E					25
26				510.570 E	510.567 E	510.644 E	510.616 E	510.583 E					26
27				510.570 E	510.570 E	510.644 E	510.613 E	510.577 E					27
28				510.570 E	510.570 E	510.644 E	510.613 E	510.573 E					28
29				510.570 E	510.573	510.644 E	510.613 E	510.577 E					29
30				510.570 E	510.576 E	510.644 E	510.613 E	510.580 E					30
31					510.622 E		510.613 E	510.583					31
MEAN					510.567	510.682	510.625	510.600					MEAN
MAX					510.622	510.814	510.644	510.610					MAX
MIN					510.558	510.622	510.613	510.573					MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL. 510.814 METRES ON JUN 8

MINIMUM DAILY WATER LEVEL. 510.509 METRES ON SEP 8

E-ESTIMATED

WATER LEVELS ARE REFERRED TO GSC DATUM

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Delaronde Lake near Big River

REFERENCE NUMBER: 61-137

LOCATION: SE 3-57-7-W3
5.6 km north and 5.6 km east of Big River

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: One water level elevation in 1974 and mainly during open water season 1975 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 493.261 m on July 9, 1975

MINIMUM DAILY MEAN ELEVATION: 492.642 m on October 28, 1977

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Saskatchewan Department of Tourism and Renewable Resources. For records prior to 1978 add 464.469 m to convert to geodetic datum.

DELARONDE LAKE NEAR BIG RIVER

STATION NO. 081-137

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						493.020 E	493.052	492.977	492.872	492.718			1
2						492.998 E	493.035	492.985	492.877	492.814			2
3						492.977	493.025	492.972	492.879	492.813			3
4			492.878			493.052	493.049	492.982	492.862	492.813			4
5						493.077	493.019	492.982	492.888	492.814			5
6						493.027	493.012	492.980	492.880	492.793			6
7						493.055	493.016	492.989	492.882	492.798			7
8						493.057	493.017	492.975	492.860	492.810			8
9						493.054 E	493.052	492.972	492.890	492.829			9
10						493.050 E	493.025	492.973	492.893	492.827			10
11						493.049	493.012	492.977	492.877	492.823			11
12						493.046	493.019	492.942	492.886	492.869			12
13						493.027	493.002	492.967	492.873	492.821			13
14						493.042	493.007	492.949	492.870	492.816			14
15					493.062	493.031	493.022	492.932	492.863	492.815			15
16					493.055 E	493.026	493.032	492.941	492.818	492.878			16
17					493.049 E	493.077	493.017	492.932	492.830	492.888			17
18					493.042	493.052	493.012	492.955	492.855	492.773			18
19					493.057	493.062	493.011	492.939	492.833	492.898			19
20					493.077	493.037	493.005	492.912	492.828	492.840			20
21					493.092	493.027	492.997	492.912	492.846	492.847			21
22					493.062	493.051	493.002	492.935	492.850	492.818 E			22
23					493.074	493.042	493.035	492.936	492.858	492.818 E			23
24					493.060	493.062	493.049	492.919	492.838	492.818 E			24
25					493.061 E	493.052	493.002	492.932	492.840	492.818 E			25
26					493.061 E	492.992	493.007	492.917	492.908	492.818 E			26
27					493.062	493.057	492.957	492.877	492.835	492.818 E			27
28					493.062 E	493.050	492.985	492.842	492.803	492.818 E			28
29					493.062 E	493.012	492.997	492.907	492.810	492.818 E			29
30					493.062	493.037	492.992	492.912	492.820	492.818 E			30
31					493.041 E		493.001	492.891		492.818			31
MEAN						493.041	493.015	492.942	492.862	492.822			MEAN
MAX						493.077	493.052	492.989	493.017	492.898			MAX
MIN						492.977	492.957	492.842	492.803	492.718			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 493.092 METRES ON MAY 21

MINIMUM DAILY WATER LEVEL, 492.718 METRES ON OCT 1

E-ESTIMATED

WATER LEVELS ARE REFERRED TO GSC DATUM

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Deschambault Lake on Hanson Lake Road

REFERENCE NUMBER: 67-117

LOCATION: Lat. 54° 40' Long. 103° 25'
0.4 km off Hanson Lake Road at Mile 146

GROSS DRAINAGE AREA: 7993 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Periods of varying length, mainly during open water season 1965, 1967, 1968 and 1970 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 325.786 m estimated on August 1, 1974

MINIMUM DAILY MEAN ELEVATION: 324.490 m on October 28, 1981

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Saskatchewan Environment. Records prior to 1966 were published under reference number 29-134. Add 297.071 m to records prior to 1980 to convert to geodetic datum.

DESCHAMBAULT LAKE ON HANSON LAKE ROAD

STATION NO. 067-117

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1													1
2													2
3													3
4													4
5						324.705							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14	324.769												14
15													15
16													16
17													17
18								324.610					18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28										324.490			28
29													29
30													30
31													31
MEAN													MEAN
MAX													MAX
MIN													MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 324.769 METRES ON JAN 14

MINIMUM DAILY WATER LEVEL, 324.490 METRES ON OCT 28

WATER LEVELS ARE REFERRED TO GSC DATUM

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Dore Lake at Dore Lake

REFERENCE NUMBER: 61-125

LOCATION: NE 14-65-10-3
At DNS headquarters at Dore Lake, 116 km northwest of Big River

GROSS DRAINAGE AREA: 2701 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to assumed datum.

PERIOD OF RECORD: Periods of varying length, mainly during open water season 1965 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 29.090 m on August 6, 1974

MINIMUM DAILY MEAN ELEVATION: 27,886 m on July 20, 1969

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Department of Northern Saskatchewan.

DORE LAKE AT DORE LAKE — STATION NO. 061+125

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						28.532	28.547	28.538					1
2						28.535	28.545	28.538					2
3						28.537	28.547	28.533					3
4			28.451			28.533	28.552	28.533					4
5						28.537	28.547	28.543					5
6						28.527	28.542	28.538					6
7						28.545	28.545	28.538					7
8						28.545	28.552	28.538 E					8
9						28.542	28.547	28.533					9
10						28.542	28.542	28.528					10
11						28.538 E	28.542	28.538					11
12						28.536 E	28.545 E	28.538					12
13						28.533 E	28.545	28.538					13
14					28.535	28.538 E	28.545	28.538					14
15					28.532 E	28.537	28.542	28.538 E					15
16					28.528 E	28.542	28.542	28.539					16
17					28.535 E	28.545	28.545	28.529					17
18					28.535 E	28.555	28.545	28.529					18
19					28.538 E	28.545	28.542	28.529					19
20					28.515	28.552	28.542	28.529					20
21					28.525	28.552	28.542	28.529		28.317			21
22					28.515	28.545	28.547	28.516 E					22
23					28.515	28.567	28.544	28.502 E					23
24					28.515	28.567	28.540 E	28.489					24
25					28.515	28.567 E	28.537	28.489					25
26					28.525	28.567	28.532	28.489					26
27					28.538	28.547	28.532	28.469					27
28					28.537 E	28.547 E	28.542	28.466 E					28
29					28.535 E	28.547 E	28.551	28.464 E					29
30					28.534 E	28.547	28.553	28.462 E					30
31					28.533 E		28.553	28.459					31
MEAN						28.543	28.545	28.517					MEAN
MAX						28.567	28.542	28.543					MAX
MIN						28.522	28.532	28.459					MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 28.567 METRES ON JUN 23

MINIMUM DAILY WATER LEVEL, 28.317 METRES ON OCT 21

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

E-ESTIMATED

STREAMFLOW STATION DESCRIPTION

STATION NAME: Echo Creek at Fort Qu'Appelle

REFERENCE NUMBER: 23-157

LOCATION: NW 6-21-13-W2
On old No. 10 Highway at Fort Qu'Appelle

GROSS DRAINAGE AREA: 598 SQUARE KILOMETRES

GAUGE AND DATUM: Wire weight gauge set to geodetic datum.

PERIOD OF RECORD: Mainly spring runoff 1970, 1971 and 1976 to 1981
(Miscellaneous measurements 1974 and 1975)

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE: 37.1 m^3/s (e) cfs on April 8, 1976

MINIMUM DAILY MEAN DISCHARGE: Nil (Various occasions)

DESCRIPTION OF CONTROLLING SECTION: Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

ECHO CREEK AT FORT QUAPPELLE OLD NO 10 HWY — STATION NO. 023-157

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			1
2			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			2
3			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			3
4			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			4
5			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			5
6			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			6
7			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			7
8			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			8
9			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			9
10			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			10
11			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			11
12			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			12
13			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			13
14			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			14
15			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			15
16			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			16
17			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			17
18			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			18
19			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			19
20			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			20
21			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			21
22			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			22
23			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			23
24			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			24
25			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			25
26			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			26
27			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			27
28			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			28
29			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			29
30			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			30
31			0 E		0 E		0 E	0 E		0 E			31
TOTAL			0	0	0	0	0	0	0	0			TOTAL
MEAN			0	0	0	0	0	0	0	0			MEAN
DAM3			0	0	0	0	0	0	0	0			DAM3
MAX			0	0	0	0	0	0	0	0			MAX
MIN			0	0	0	0	0	0	0	0			MIN

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN DISCHARGE, 0 M3/S
TOTAL DISCHARGE, 0 DAM3
MAXIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1
MINIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Fife Lake near Lisieux

REFERENCE NUMBER: 20-101

LOCATION: SE 28-3-29-W2
8.9 km east and 4.0 km south of Lisieux

GROSS DRAINAGE AREA: 653 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly open water season 1975 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 802.093 m on May 22, 1975 and March 31, 1976

MINIMUM DAILY MEAN ELEVATION: 800.796 m on October 4, 1981

DESCRIPTION OF OUTLET CONDITIONS: Concrete culvert with lift gates

REMARKS: Records gathered by Saskatchewan Environment. Add 771.702 m to 1975 records to convert to geodetic datum.

FIFE LAKE NEAR LISTIEUX — STATION NO. 020-101

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				801.182 E	801.120 E	801.050	801.036 E	800.969 E	800.899 E	800.808 E			1
2				801.181 E	801.117 E	801.048 E	801.031 E	800.965	800.890 E	800.804 E			2
3				801.180 E	801.113	801.046 E	801.026 E	800.959 E	800.882 E	800.800 E			3
4				801.180 E	801.110 E	801.044 E	801.020 E	800.954 E	800.875 E	800.796	800.797		4
5				801.179	801.108 E	801.042 E	801.015	800.948 E	800.865 E				5
6				801.177 E	801.105 E	801.040 E	801.009 E	800.943 E	800.856				6
7				801.175 E	801.102 E	801.038	801.004 E	800.937 E	800.855 E				7
8				801.174 E	801.099 E	801.041 E	800.998 E	800.932 E	800.853 E				8
9				801.172 E	801.096 E	801.044 E	800.992 E	800.927	800.852 E				9
10				801.170 E	801.093	801.047 E	800.987 E	800.933 E	800.850 E				10
11				801.168 E	801.091 E	801.050 E	800.981 E	800.940 E	800.849 E				11
12				801.167	801.088 E	801.053 E	800.975	800.947 E	800.847 E				12
13				801.164 E	801.086 E	801.056 E	800.981 E	800.954	800.846				13
14				801.161 E	801.084 E	801.060	800.987 E	800.961 E	800.844 E				14
15			801.181	801.159 E	801.081	801.061 E	800.993 E	800.968 E	800.843 E				15
16			801.181 E	801.156 E	801.079 E	801.062 E	800.999 E	800.974	800.842 E				16
17			801.182 E	801.154 E	801.077 E	801.063 E	801.005 E	800.972 E	800.840 E				17
18			801.183 E	801.151 E	801.074 E	801.064 E	801.011 E	800.969 E	800.839 E				18
19			801.183 E	801.149	801.072 E	801.065 E	801.017 E	800.967	800.837 E				19
20			801.183 E	801.147 E	801.070	801.066 E	801.013 E	800.964 E	800.836				20
21			801.184 E	801.146 E	801.067 E	801.067	801.010 E	800.961 E	800.838 E				21
22			801.184	801.144	801.064 E	801.065 E	801.007 E	800.959 E	800.833 E				22
23			801.184 E	801.143 E	801.061 E	801.063 E	801.003 E	800.956	800.831 E				23
24			801.185 E	801.141 E	801.058	801.061 E	801.000 E	800.951 E	800.830 E				24
25			801.184	801.140 E	801.055 E	801.059 E	800.996 E	800.945 E	800.829 E				25
26			801.185 E	801.138	801.051 E	801.057 E	800.993	800.939 E	800.827 E				26
27			801.184 E	801.135 E	801.048 E	801.054 E	800.989 E	800.933 E	800.826				27
28			801.184 E	801.131 E	801.045 E	801.052 E	800.985 E	800.928 E	800.821 E				28
29			801.184	801.128 E	801.041 E	801.047 E	800.981 E	800.922 E	800.817 E				29
30			801.183 E	801.124 E	801.038	801.042 E	800.977 E	800.916	800.813 E				30
31			801.182 E		801.044 E		800.973 E	800.908 E					31
MEAN				801.157	801.079	801.054	801.000	800.948	800.845				MEAN
MAX				801.182	801.120	801.047	801.036	800.974	800.899				MAX
MIN				801.124	801.038	801.038	800.973	800.908	800.813				MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 801.185 METRES ON MAR 24

MINIMUM DAILY WATER LEVEL, 800.796 METRES ON OCT 4

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Greig Lake near Dorintosh
REFERENCE NUMBER:	61-124
LOCATION:	NW 17-63-18-W3 16.1 km northwest of Dorintosh
GROSS DRAINAGE AREA:	N/A SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Periods of varying length, mainly during open water season 1965 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	476.171 km on June 10, 15, 18, 1974
MINIMUM DAILY MEAN ELEVATION:	475.491 m on October 20, 1981

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Saskatchewan Department of Tourism and Renewable Resources. For records prior to 1966, add 447.355 m to convert to geodetic datum.

GREIG LAKE NEAR DORINTOSH — STATION NO. 061-124

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						475.728	475.718	475.689	475.608				1
2						475.728	475.715 E	475.689 E	475.603 E				2
3			475.661			475.725	475.716	475.689	475.598				3
4						475.723 E	475.713	475.687	475.586				4
5						475.722 E	475.707	475.685	475.588				5
6						475.721	475.700	475.683 E	475.587				6
7						475.714 E	475.699	475.681 E	475.587 E				7
8						475.717 E	475.698 E	475.678	475.587				8
9						475.715	475.690 E	475.677 E	475.581				9
10						475.713	475.686 E	475.675	475.579 E				10
11						475.713	475.681	475.671 E	475.575				11
12						475.713	475.680	475.667	475.570 E				12
13						475.708	475.683	475.661 E	475.564 E				13
14						475.703	475.680	475.655	475.564				14
15						475.700 E	475.717	475.651	475.559				15
16						475.697	475.718	475.651	475.555				16
17						475.707 E	475.718	475.651	475.553 E				17
18						475.717	475.718	475.649	475.551 E				18
19						475.715 E	475.716	475.648	475.549 E				19
20						475.714	475.710	475.644	475.547 E	475.491			20
21						475.709	475.710	475.642 E	475.545 E				21
22						475.717 E	475.708	475.640	475.543 E				22
23						475.725	475.705	475.638	475.540 E				23
24						475.725 E	475.701	475.632	475.538 E				24
25						475.728 E	475.688	475.626	475.536 E				25
26						475.724	475.698	475.626	475.534 E				26
27					475.731	475.721 E	475.696 E	475.625	475.532 E				27
28					475.734 E	475.718	475.695 E	475.622	475.530 E				28
29					475.736	475.718 E	475.693 E	475.620	475.528 E				29
30					475.735	475.718	475.691	475.614 E	475.526				30
31					475.729		475.690 E	475.608					31
MEAN						475.717	475.701	475.654	475.561				MEAN
MAX						475.728	475.718	475.689	475.608				MAX
MIN						475.697	475.680	475.608	475.526				MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 475.736 METRES ON MAY 29

MINIMUM DAILY WATER LEVEL, 475.491 METRES ON OCT 20

E-ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STREAMFLOW STATION DESCRIPTION

STATION NAME:	Horsehide Creek near Mistatim
REFERENCE NUMBER:	33-170
LOCATION:	SE 15-45-10-W2 On No. 3 Highway at Mistatim
GROSS DRAINAGE AREA:	88 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to assumed datum.
PERIOD OF RECORD:	Spring runoff 1971 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE:	11.2 m^3/s on April 26, 1972
MINIMUM DAILY MEAN DISCHARGE:	Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION:	Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

HORSEHIDE CREEK NEAR MISTATIM — STATION NO. 033-170

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1961

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			1
2			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			2
3			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			3
4			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			4
5			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			5
6			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			6
7			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			7
8			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			8
9			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			9
10			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			10
11			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			11
12			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			12
13			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			13
14			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			14
15			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			15
16			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			16
17			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			17
18			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			18
19			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			19
20			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			20
21			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			21
22			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			22
23			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			23
24			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			24
25			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			25
26			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			26
27			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			27
28			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			28
29			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			29
30			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			30
31			0 E		0 E		0 E	0 E		0 E			31
TOTAL			0	0	0	0	0	0	0	0			TOTAL
MEAN			0	0	0	0	0	0	0	0			MEAN
DAM3			0	0	0	0	0	0	0	0			DAM3
MAX			0	0	0	0	0	0	0	0			MAX
MIN			0	0	0	0	0	0	0	0			MIN

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN DISCHARGE: 0 M3/S
TOTAL DISCHARGE: 0 DAM3
MAXIMUM DAILY DISCHARGE: 0 M3/S ON MAR 1
MINIMUM DAILY DISCHARGE: 0 M3/S ON MAR 1

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Jan Lake on Hanson Lake Road
REFERENCE NUMBER:	67-118
LOCATION:	Lat. 54° 52' Long. 102° 49' 11.3 km off Hanson Lake Road near Mile 180 at Doupe Bay
GROSS DRAINAGE AREA:	8524 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to assumed datum.
PERIOD OF RECORD:	Periods of varying length, mainly during open water season 1965 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	30.858 m on August 11 and 12, 1974
MINIMUM DAILY MEAN ELEVATION:	28.604 m on October 28, 1981

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Department of Northern Saskatchewan. Records prior to 1966 were published under reference number 29-135.

JAN LAKE ON HANSON LAKE ROAD

STATION NO. 067-118

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						28.898	28.890	28.826	28.686				1
2						28.884	28.903	28.826	28.686				2
3						28.888	28.893	28.826	28.686				3
4						28.898	28.893	28.821	28.689				4
5						28.888	28.893	28.821	28.689				5
6						28.888	28.876	28.822	28.689				6
7						28.878	28.886	28.822					7
8						28.888	28.877	28.818					8
9						28.891	28.887	28.819					9
10						28.878	28.887	28.806					10
11						28.888	28.877	28.815					11
12						28.898	28.883	28.802					12
13	28.964					28.894	28.887	28.796					13
14						28.886	28.867	28.782					14
15						28.884	28.877	28.782					15
16					28.908	28.891	28.880	28.766					16
17					28.903	28.904	28.883	28.765					17
18					28.888	28.903	28.873	28.762					18
19					28.898	28.908	28.877	28.746					19
20					28.908	28.904	28.877	28.745					20
21					28.898	28.888	28.873	28.745					21
22					28.918	28.873	28.873	28.746					22
23					28.908	28.877	28.877	28.746					23
24					28.903	28.897	28.876	28.736					24
25					28.908	28.867	28.867	28.736					25
26					28.908	28.906	28.852	28.736					26
27					28.918	28.903	28.827	28.736					27
28					28.918	28.903	28.847	28.736	28.608				28
29					28.908	28.897	28.847	28.736					29
30					28.918	28.893	28.846	28.736					30
31					28.908		28.836	28.726					31
MEAN						28.893	28.873	28.778					MEAN
MAX						28.908	28.903	28.826					MAX
MIN						28.873	28.827	28.726					MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 28.964 METRES ON JAN 13

MINIMUM DAILY WATER LEVEL, 28.608 METRES ON OCT 28

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

STREAMFLOW STATION DESCRIPTION

STATION NAME:	Kaposvar Creek near the mouth
REFERENCE NUMBER:	23-307
LOCATION:	SE 32-18-33-W1 0.4 km north of Hazelcliff
GROSS DRAINAGE AREA:	1813 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to assumed datum.
PERIOD OF RECORD:	Mainly spring runoff 1975 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE:	20.1 m^3/s on April 21, 1979
MINIMUM DAILY MEAN DISCHARGE:	Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION:	Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment. Station was relocated in 1979.

KAPOSVAR CREEK NEAR THE MOUTH — STATION NO. 023-307

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			1
2			0	0	0	0	0	0	0	0			2
3			0	0	0	0	0	0	0	0			3
4			0	0	0	0	0	0	0	0			4
5			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			5
6			0	0	0	0	0	0	0	0			6
7			0	0	0	0	0	0	0	0			7
8			0	0	0	0	0	0	0	0			8
9			0	0	0	0	0	0	0	0			9
10			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			10
11			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			11
12			0	0	0	0	0	0	0	0			12
13			0	0	0	0	0	0	0	0			13
14			0	0	0	0	0	0	0	0			14
15			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			15
16			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			16
17			0	0	0	0	0	0	0	0			17
18			0	0	0	0	0	0	0	0			18
19			0	0	0	0	0	0	0	0			19
20			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			20
21			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			21
22			0	0	0	0	0	0	0	0			22
23			0	0	0	0	0	0	0	0			23
24			0	0	0	0	0	0	0	0			24
25			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			25
26			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			26
27			0	0	0	0	0	0	0	0			27
28			0	0	0	0	0	0	0	0			28
29			0	0	0	0	0	0	0	0			29
30			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			30
31			0 E		0 E		0 E	0 E		0 E			31
TOTAL			0	0	0	0	0	0	0	0			TOTAL
MEAN			0	0	0	0	0	0	0	0			MEAN
DAM3			0	0	0	0	0	0	0	0			DAM3
MAX			0	0	0	0	0	0	0	0			MAX
MIN			0	0	0	0	0	0	0	0			MIN

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN DISCHARGE, 0 M3/S
TOTAL DISCHARGE, 0 DAM3
MAXIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1
MINIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Lac des Iles near Goodsoil
REFERENCE NUMBER:	61-122
LOCATION:	NE 7-63-22-W3 4.8 km west and 4.8 km north of Goodsoil
GROSS DRAINAGE AREA:	7493 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to assumed datum.
PERIOD OF RECORD:	Periods of varying length, mainly during open water season 1965 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	27.722 m on July 7, 1965
MINIMUM DAILY MEAN ELEVATION:	25.890 m on June 4, 1968

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Saskatchewan Environment.

LAC DES ILES NEAR GOODSOIL

STATION NO. 061-122

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					26.339	26.315	26.338	26.374	26.271	26.164	26.101		1
2					26.339 E	26.315 E	26.334 E	26.374 E	26.260 E	26.157 E	26.101 E		2
3			26.302		26.339	26.315 E	26.330	26.374	26.249	26.150	26.101 E		3
4					26.339 E	26.315	26.330 E	26.374 E	26.247 E	26.148 E	26.101 E		4
5					26.339	26.315 E	26.330 E	26.374	26.245	26.146	26.101 E		5
6					26.337 E	26.315	26.330	26.374 E	26.244 E	26.145 E	26.101		6
7					26.335	26.315 E	26.331 E	26.375	26.242 E	26.143	26.101 E		7
8					26.334 E	26.315	26.332	26.372 E	26.240	26.141 E	26.101		8
9					26.333	26.313 E	26.333 E	26.369	26.240 E	26.139	26.099 E		9
10					26.334 E	26.311	26.334	26.364 E	26.240	26.135 E	26.097		10
11					26.338 E	26.310 E	26.336 E	26.359	26.228 E	26.131	26.097 E		11
12					26.335	26.309	26.338	26.354 E	26.216	26.127 E	26.097 E		12
13					26.333 E	26.309 E	26.343 E	26.349	26.215 E	26.123	26.097		13
14					26.331 E	26.309	26.348	26.342 E	26.214 E	26.120 E	26.097 E		14
15					26.330	26.312 E	26.354 E	26.335	26.214	26.117	26.097		15
16					26.328 E	26.315 E	26.360	26.333 E	26.210 E	26.117 E	26.094 E		16
17					26.326 E	26.319	26.364	26.331 E	26.206	26.117 E	26.091		17
18					26.325	26.327 E	26.364 E	26.329	26.199 E	26.117	26.091 E		18
19					26.322 E	26.335	26.364	26.322 E	26.193 E	26.115 E	26.091		19
20					26.319	26.336 E	26.369 E	26.316 E	26.186	26.114	26.091 E		20
21					26.317 E	26.337 E	26.374	26.309	26.185 E	26.113 E	26.091 E		21
22					26.315	26.338 E	26.374 E	26.306 E	26.184	26.112	26.091 E		22
23					26.315 E	26.339	26.374	26.303	26.183 E	26.110 E	26.091		23
24					26.315	26.338 E	26.382	26.299 E	26.181 E	26.109 E	26.091 E		24
25				26.335	26.317 E	26.338	26.383 E	26.295	26.180	26.107	26.091		25
26				26.335 E	26.319	26.338 E	26.384	26.293 E	26.177 E	26.105 E	26.091 E		26
27				26.335	26.315	26.338	26.381 E	26.291 E	26.174	26.103	26.091 E		27
28				26.335 E	26.315 E	26.338 E	26.378	26.289	26.171 E	26.103 E	26.091		28
29				26.335 E	26.315	26.338 E	26.376 E	26.281 E	26.167	26.103	26.091		29
30				26.335	26.315 E	26.338	26.374	26.273	26.164	26.102 E			30
31					26.315		26.374 E	26.271		26.101			31
MEAN					26.327	26.323	26.355	26.332	26.211	26.124			MEAN
MAX					26.339	26.339	26.384	26.375	26.271	26.164			MAX
MIN					26.315	26.309	26.330	26.271	26.164	26.101			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 26.384 METRES ON JUL 26

MINIMUM DAILY WATER LEVEL, 26.091 METRES ON NOV 17

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Leech Lake near Yorkton

REFERENCE NUMBER: 31-134

LOCATION: NE 23-24-4-W2
12.9 km south of Yorkton

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly open water season 1974 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 511.973 m on April 30, 1976

MINIMUM DAILY MEAN ELEVATION: 509.238 m on October 6, 1980

DESCRIPTION OF OUTLET CONDITIONS: Constructed ditch at outlet from Leech Lake

REMARKS: Records gathered by Ducks Unlimited (Canada).

LEECH LAKE NEAR YORKTON

STATION NO. 031-134

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				509.293 E	509.281 E	509.284 E	509.275	509.287 E					1
2				509.293	509.281 E	509.281 E	509.290 E	509.287 E					2
3				509.293 E	509.281 E	509.278 E	509.306 E	509.284 E					3
4				509.293 E	509.281	509.275 E	509.321 E	509.284					4
5				509.290 E	509.281 E	509.272 E	509.339 E	509.281 E					5
6				509.290 E	509.281 E	509.269 E	509.354 E	509.281 E					6
7				509.290 E	509.281 E	509.266 E	509.370 E	509.278 E					7
8				509.290 E	509.281 E	509.263	509.385	509.278 E					8
9				509.290 E	509.278 E	509.272 E	509.376 E	509.278 E					9
10				509.287 E	509.278 E	509.284 E	509.363 E	509.275 E					10
11				509.287 E	509.278 E	509.293 E	509.354 E	509.275 E					11
12				509.287 E	509.278 E	509.306 E	509.345 E	509.272 E					12
13				509.287 E	509.278 E	509.315 E	509.333 E	509.275 E					13
14				509.287 E	509.278 E	509.324 E	509.324 E	509.275 E					14
15				509.287 E	509.278 E	509.336 E	509.315 E	509.269 E					15
16				509.284 E	509.278 E	509.345	509.302 E	509.269 E					16
17				509.284 E	509.275 E	509.336 E	509.293	509.266 E					17
18				509.284 E	509.275 E	509.327 E	509.293 E	509.266 E					18
19				509.284 E	509.275 E	509.321 E	509.293 E	509.263 E					19
20				509.284 E	509.275	509.312 E	509.293 E	509.263					20
21				509.281 E	509.278 E	509.302 E	509.293 E	509.266 E					21
22				509.281 E	509.278 E	509.293	509.293 E	509.266 E					22
23				509.281	509.281 E	509.290 E	509.293 E	509.269 E					23
24				509.281 E	509.284 E	509.290 E	509.293 E	509.269 E					24
25				509.281 E	509.284 E	509.287 E	509.293 E	509.272 E					25
26				509.281 E	509.287 E	509.284 E	509.293 E	509.272 E					26
27				509.281 E	509.290 E	509.284 E	509.293	509.275 E					27
28				509.281 E	509.290 E	509.281 E	509.293 E	509.275 E					28
29				509.281 E	509.293	509.278 E	509.290 E	509.278 E					29
30				509.281 E	509.290 E	509.278 E	509.290 E	509.278 E					30
31					509.287 E		509.287 E	509.281					31
MEAN				509.286	509.281	509.294	509.314	509.274					MEAN
MAX				509.293	509.293	509.345	509.385	509.287					MAX
MIN				509.281	509.275	509.263	509.275	509.263					MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 509.385 METRES ON JUL 8

MINIMUM DAILY WATER LEVEL, 509.263 METRES ON JUN 8

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Lenore Lake near Middle Lake

REFERENCE NUMBER: 26-105

LOCATION: NE 31-40-21-W2
1.6 km west and 11.3 km north of Lake Lenore

GROSS DRAINAGE AREA: 2261 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly during open water season 1969 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 525.487 m on May 12, 1980

MINIMUM DAILY MEAN ELEVATION: 523.403 m on September 20, 1969

DESCRIPTION OF OUTLET CONDITIONS: Closed drainage basin

REMARKS: Records gathered by Saskatchewan Environment.

LEHORE LAKE NEAR MIDDLE LAKE — STATION NO. 026-105

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					525.172 E	525.113	525.058 E	525.067 E	524.935 E	524.896 E			1
2					525.171 E	525.118 E	525.055	525.065 E	524.930	524.891 E			2
3					525.169 E	525.108 E	525.052 E	525.063	524.930 E	524.891 E			3
4					525.169 E	525.105 E	525.051 E	525.060 E	524.937	524.889			4
5					525.167 E	525.103 E	525.058 E	525.054 E	524.935 E	524.886 E			5
6					525.166 E	525.100 E	525.049 E	525.053 E	524.924 E	524.884			6
7					525.168 E	525.097 E	525.048	525.044 E	524.932	524.885 E			7
8					525.161 E	525.095	525.050 E	525.045 E	524.918 E	524.883 E			8
9					525.162 E	525.093	525.035 E	525.038 E	524.915 E	524.880 E			9
10					525.161 E	525.092 E	525.024 E	525.038 E	524.912 E	524.889			10
11					525.159 E	525.090 E	525.014 E	525.038 E	524.908 E				11
12					525.158	525.089 E	525.008 E	525.031 E	524.905 E				12
13					525.152	525.087 E	525.000	525.033 E	524.902 E				13
14					525.150 E	525.086 E	525.020 E	525.035	524.898				14
15					525.147 E	525.082 E	525.031 E	525.018 E	524.898 E				15
16					525.145 E	525.083	525.080	525.014 E	524.890 E				16
17					525.142 E	525.080 E	525.079 E	525.019 E	524.886 E				17
18					525.140 E	525.077 E	525.078 E	525.005 E	524.882 E				18
19					525.137 E	525.075 E	525.077 E	525.000	524.878 E				19
20					525.135 E	525.072 E	525.077 E	524.995 E	524.873 E				20
21					525.132 E	525.070 E	525.074 E	524.990 E	524.869 E				21
22					525.130 E	525.067 E	525.075 E	524.985 E	524.865 E				22
23					525.127 E	525.064 E	525.074 E	524.980 E	524.861				23
24					525.125 E	525.062 E	525.074 E	524.975 E	524.866 E				24
25					525.123 E	525.061 E	525.071 E	524.970 E	524.872 E				25
26		525.187			525.121 E	525.060 E	525.072 E	524.965 E	524.877 E				26
27					525.120 E	525.058 E	525.071 E	524.960 E	524.882 E				27
28					525.118 E	525.057 E	525.071 E	524.955 E	524.887 E				28
29					525.116 E	525.056 E	525.070 E	524.950 E	524.893 E				29
30					525.115 E	525.055 E	525.069 E	524.945 E	524.898				30
31					525.113		525.068	524.940 E					31
MEAN					525.144	525.082	525.056	525.018	524.897				MEAN
MAX					525.172	525.113	525.080	525.067	524.935				MAX
MIN					525.113	525.055	525.000	524.940	524.861				MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 525.187 METRES ON FEB 26

MINIMUM DAILY WATER LEVEL, 524.861 METRES ON SEP 23

E-ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Little Bear Lake on Hanson Lake Road
REFERENCE NUMBER:	67-115
LOCATION:	NE 19-61-18-2 near Mile 62 on Hanson Lake Road
GROSS DRAINAGE AREA:	117 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Periods of varying length, mainly during open water season 1965 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	620.780 m on June 18, 1973
MINIMUM DAILY MEAN ELEVATION:	619.945 m on September 27, 1970

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Department of Northern Saskatchewan. Records prior to 1966 were published under reference number 29-131. For records prior to 1970 add 593.418 m to convert to geodetic datum.

LITTLE BEAR LAKE ON HANSON LAKE ROAD — STATION NO. 067-113

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						620.140	620.193 E	620.132	620.049 E				1
2						620.139 E	620.191 E	620.128	620.042 E				2
3						620.139 E	620.187 E	620.126	620.036				3
4						620.138 E	620.183 E	620.131 E	620.035 E				4
5						620.138	620.180	620.132 E	620.034				5
6						620.138	620.178 E	620.133	620.031 E				6
7						620.138	620.176 E	620.131	620.028				7
8						620.140 E	620.174 E	620.126 E	620.026				8
9						620.140 E	620.172 E	620.126	620.025				9
10						620.141 E	620.170	620.126	620.022 E				10
11						620.142	620.167 E	620.115 E	620.021 E				11
12						620.142	620.164 E	620.106 E	620.020 E				12
13						620.142	620.161	620.104 E	620.019 E				13
14	620.107					620.138	620.157 E	620.098	620.017				14
15						620.147 E	620.153 E	620.092	620.017 E				15
16						620.154 E	620.178	620.088 E	620.017 E				16
17						620.164 E	620.178	620.084	620.017 E				17
18						620.172 E	620.176	620.083 E	620.017 E				18
19						620.181	620.175 E	620.082 E	620.017 E				19
20						620.181	620.172	620.081	620.017 E				20
21						620.184 E	620.170 E	620.079	620.017 E				21
22						620.188 E	620.167 E	620.076	620.016 E				22
23						620.192 E	620.164 E	620.073	620.016 E				23
24						620.195 E	620.161	620.073 E	620.016 E				24
25						620.199	620.158	620.072 E	620.016 E				25
26						620.199 E	620.153 E	620.071	620.016 E				26
27						620.199	620.148 E	620.068 E	620.016 E	620.021			27
28						620.198 E	620.142	620.066 E	620.016 E				28
29						620.198	620.139 E	620.062	620.016				29
30						620.195 E	620.135	620.056 E	620.016				30
31							620.135	620.055					31
MEAN						620.163	620.167	620.096	620.022				MEAN
MAX						620.199	620.193	620.132	620.049				MAX
MIN						620.138	620.135	620.055	620.016				MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 620.199 METRES ON JUN 25

MINIMUM DAILY WATER LEVEL, 620.016 METRES ON SEP 22

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Lower Fishing Lake on Hanson Lake Road
REFERENCE NUMBER:	67-114
LOCATION:	SW 29-58-18-W2 4.8 km off Hanson Lake Road at Mile 46
GROSS DRAINAGE AREA:	337 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Periods of varying length, mainly during open water season 1965 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	490.801 m on June 8, 1973
MINIMUM DAILY MEAN ELEVATION:	489.932 m on October 18, 1976

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Department of Northern Saskatchewan. Records prior to 1966 were published under reference number 29-131. For records prior to 1970 add 461.089 m to convert to geodetic datum.

LOWER FISHING LAKE ON HANSON LAKE ROAD — STATION NO. 067-114

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						490.211	490.222 E	490.219	490.161 E				1
2						490.209 E	490.222	490.219 E	490.161 E				2
3						490.207 E	490.222 E	490.218	490.161				3
4						490.205	490.222	490.218 E	490.161 E				4
5						490.205 E	490.214 E	490.218 E	490.161				5
6						490.204 E	490.211	490.218	490.161 E				6
7						490.204	490.211 E	490.223 E	490.161				7
8						490.214	490.211 E	490.228	490.161 E				8
9						490.214 E	490.211	490.228 E	490.161 E				9
10						490.214 E	490.206 E	490.228	490.161 E				10
11						490.214	490.201	490.228 E	490.161 E				11
12						490.214 E	490.201 E	490.228 E	490.161 E				12
13						490.214	490.201	490.227	490.161 E				13
14	490.278					490.209 E	490.201 E	490.217 E	490.161 E				14
15						490.208	490.200 E	490.207	490.161				15
16						490.203 E	490.260	490.200 E					16
17						490.203 E	490.260 E	490.193					17
18						490.201	490.260	490.196 E					18
19						490.203 E	490.265 E	490.196 E					19
20						490.203	490.278	490.197					20
21						490.208 E	490.264 E	490.197 E					21
22						490.213	490.263 E	490.197					22
23						490.213 E	490.260	490.197 E					23
24						490.213 E	490.254 E	490.197					24
25						490.213	490.248	490.187 E					25
26						490.212 E	490.249 E	490.177 E					26
27						490.212	490.249	490.167		490.193			27
28						490.217 E	490.236 E	490.167 E					28
29						490.222	490.222 E	490.168					29
30						490.222 E	490.206	490.168 E					30
31							490.214 E	490.168					31
MEAN						490.210	490.232	490.203					MEAN
MAX						490.222	490.278	490.228					MAX
MIN						490.203	490.201	490.167					MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 490.278 METRES ON JAN 14

MINIMUM DAILY WATER LEVEL, 490.148 METRES ON SEP 3

WATER LEVELS ARE REFERRED TO G.S.C. DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Lower Rousay Lake near Yorkton

REFERENCE NUMBER: 31-132

LOCATION: NE 20-25-4-W2
4.8 km southwest of Yorkton

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly open water season 1974 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 512.274 m on May 2, 4 and 5, 1975

MINIMUM DAILY MEAN ELEVATION: 510.223 m on May 20, 1981

DESCRIPTION OF OUTLET CONDITIONS: Natural channel downstream from station

REMARKS: Records gathered by Ducks Unlimited (Canada).

LOWER ROUSAY LAKE NEAR YORKTON STATION NO. 031-132

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				510.427 E	510.330 E	510.302 E	510.534	510.256 E	510.248 E				1
2				510.424	510.333 E	510.299 E	510.509 E	510.260 E	510.244 E				2
3				510.418 E	510.333 E	510.296 E	510.482 E	510.260 E	510.244 E				3
4				510.415 E	510.336	510.298 E	510.458 E	510.260 E	510.244 E				4
5				510.409 E	510.338 E	510.287 E	510.433 E	510.263 E	510.241 E		510.253		5
6				510.403 E	510.321 E	510.284 E	510.409 E	510.263 E	510.241 E				6
7				510.397 E	510.314 E	510.278 E	510.381 E	510.263 E	510.241 E				7
8				510.394 E	510.308 E	510.275 E	510.357 E	510.266 E	510.241				8
9				510.388 E	510.299 E	510.281 E	510.354 E	510.266 E					9
10				510.381 E	510.293 E	510.290 E	510.351 E	510.266 E					10
11				510.378 E	510.287 E	510.296 E	510.348 E	510.266 E					11
12				510.372 E	510.281 E	510.305 E	510.345 E	510.269 E					12
13				510.366 E	510.272 E	510.311 E	510.345 E	510.269 E					13
14				510.360 E	510.266 E	510.317 E	510.342 E	510.269 E					14
15				510.357 E	510.260 E	510.327 E	510.338 E	510.272 E					15
16				510.351 E	510.250 E	510.333	510.336 E	510.272 E					16
17				510.345 E	510.244 E	510.336 E	510.333	510.272 E					17
18				510.342 E	510.238 E	510.342 E	510.324 E	510.272 E					18
19				510.336 E	510.229 E	510.345 E	510.317 E	510.275 E					19
20				510.330 E	510.223	510.348 E	510.308 E	510.275					20
21				510.324 E	510.232 E	510.354 E	510.302 E	510.272 E					21
22				510.321 E	510.244 E	510.357	510.293 E	510.269 E					22
23				510.314	510.253 E	510.375 E	510.284 E	510.266 E					23
24				510.317 E	510.263 E	510.397 E	510.278 E	510.266 E					24
25				510.317 E	510.275 E	510.415 E	510.269 E	510.263 E					25
26				510.321 E	510.284 E	510.436 E	510.263 E	510.260 E					26
27				510.324 E	510.293 E	510.455 E	510.253 E	510.256 E					27
28				510.324 E	510.305 E	510.476 E	510.253 E	510.253					28
29				510.327 E	510.314	510.494 E	510.256 E	510.250 E					29
30				510.327 E	510.311 E	510.516 E	510.256 E	510.247 E					30
31					510.305 E		510.256 E	510.244					31
MEAN				510.360	510.285	510.347	510.341	510.264					MEAN
MAX				510.427	510.336	510.516	510.534	510.275					MAX
MIN				510.314	510.223	510.275	510.253	510.244					MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 510.534 METRES ON JUL 1

MINIMUM DAILY WATER LEVEL, 510.223 METRES ON MAY 20

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Makwa Lake near Loon Lake

REFERENCE NUMBER: 61-121

LOCATION: SW 11-59-22-W3
8 km northwest of Loon Lake on No. 26 Highway

GROSS DRAINAGE AREA: 1357 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Periods of varying length, mainly during open water season 1965 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 524.664 on June 22, 1965

MINIMUM DAILY MEAN ELEVATION: 523.582 m on July 16, 1973

DESCRIPTION OF OUTLET CONDITIONS: Timber weir with stop logs

REMARKS: Records gathered by Saskatchewan Department of Tourism and Renewable Resources. (FSL 524.104 m)

MAKWA LAKE NEAR LOON LAKE STATION NO. 061-121

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			524.148 E	524.180 E	524.176	524.117	524.098	524.062 E	523.983 E				1
2			524.149 E	524.179 E	524.173 E	524.116 E	524.095 E	524.060 E	523.979 E				2
3			524.150	524.179 E	524.170 E	524.115 E	524.093 E	524.057 E	523.975 E				3
4			524.151 E	524.178 E	524.167 E	524.114 E	524.091 E	524.054 E	523.972 E				4
5			524.153 E	524.177 E	524.164 E	524.113 E	524.089 E	524.052 E	523.968 E				5
6			524.154 E	524.176 E	524.162 E	524.112 E	524.086 E	524.049 E	523.965 E				6
7			524.156 E	524.176 E	524.159 E	524.111 E	524.084 E	524.047 E	523.961 E				7
8			524.157 E	524.175 E	524.156 E	524.110 E	524.082 E	524.044 E	523.957 E				8
9			524.159 E	524.174 E	524.153 E	524.109	524.080 E	524.042 E	523.954				9
10			524.160 E	524.173 E	524.150 E	524.099 E	524.077	524.039 E	523.950 E				10
11			524.162 E	524.173 E	524.147 E	524.098	524.079 E	524.037 E	523.945 E				11
12			524.163 E	524.172 E	524.144 E	524.090 E	524.081 E	524.034 E	523.941 E				12
13			524.164	524.171 E	524.141 E	524.089 E	524.082 E	524.032 E	523.937 E				13
14			524.165 E	524.170 E	524.138 E	524.089 E	524.084 E	524.029 E	523.932 E				14
15			524.166 E	524.170	524.135 E	524.088	524.085	524.027 E	523.928 E				15
16			524.167 E	524.170 E	524.133 E	524.089 E	524.085 E	524.024 E	523.924 E				16
17			524.168 E	524.170 E	524.130 E	524.090 E	524.085 E	524.021	523.919 E				17
18			524.169 E	524.171 E	524.127	524.090 E	524.085 E	524.018 E	523.915 E				18
19			524.170 E	524.171 E	524.125 E	524.091 E	524.085 E	524.014 E	523.911 E				19
20			524.171 E	524.172 E	524.123 E	524.091 E	524.085 E	524.011 E	523.906 E	523.870			20
21			524.172 E	524.172 E	524.120 E	524.092 E	524.085 E	524.007 E	523.902 E				21
22			524.173 E	524.172 E	524.118 E	524.093 E	524.085 E	524.003 E	523.898				22
23			524.174 E	524.173 E	524.116 E	524.093 E	524.085	524.000 E	523.897 E				23
24			524.175 E	524.173 E	524.114 E	524.094 E	524.082 E	523.996	523.896 E				24
25			524.175 E	524.174 E	524.112 E	524.095 E	524.080 E	523.994 E	523.895 E				25
26			524.176 E	524.174 E	524.110	524.095 E	524.077 E	523.991 E	523.894 E				26
27			524.177 E	524.174 E	524.111 E	524.096 E	524.075 E	523.988	523.893 E				27
28			524.178 E	524.175 E	524.113 E	524.097 E	524.072 E	523.988 E	523.892 E				28
29			524.179 E	524.175 E	524.114 E	524.097 E	524.070 E	523.987 E	523.891 E				29
30			524.180 E	524.176 E	524.115 E	524.098	524.067 E	523.987 E	523.890				30
31			524.181		524.117		524.065 E	523.986					31
MEAN			524.166	524.174	524.137	524.099	524.082	524.022	523.929				MEAN
MAX			524.181	524.180	524.176	524.117	524.098	524.062	523.983				MAX
MIN			524.148	524.170	524.110	524.088	524.065	523.986	523.890				MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 524.181 METRES ON MAR 31

MINIMUM DAILY WATER LEVEL, 523.870 METRES ON OCT 20 E-ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Marean Lake near Chelan
REFERENCE NUMBER:	33-171
LOCATION:	SE 5-41-11-W2 16.1 km southwest of Chelan on No. 38 Highway
GROSS DRAINAGE AREA:	N/A SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Mainly open water season 1977 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	533.296 m on June 9, 1979
MINIMUM DAILY MEAN ELEVATION:	532.624 m on October 7, 1981

DESCRIPTION OF OUTLET CONDITIONS:	Natural channel connecting Greenwater Lake

REMARKS: Records gathered by Saskatchewan Department of Tourism and Renewable Resources. (FSL 532.940 m)

MAREAN LAKE NEAR CHELAN — STATION NO. 033-171

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					532.809 E	532.779	532.741 E	532.721 E	532.648 E	532.640 E	532.647 E		1
2					532.808 E	532.774 E	532.742 E	532.722	532.645 E	532.637 E	532.648 E		2
3					532.807 E	532.768 E	532.742	532.722	532.642 E	532.634 E	532.649 E		3
4					532.806 E	532.763 E	532.741 E	532.721	532.642 E	532.632 E	532.650 E		4
5					532.805 E	532.757	532.740	532.720	532.656 E	532.629 E	532.651		5
6					532.804 E	532.757 E	532.756 E	532.721 E	532.653	532.627 E			6
7					532.803 E	532.757	532.752	532.718 E	532.651 E	532.624			7
8					532.801 E	532.756 E	532.744 E	532.714	532.649 E	532.625 E			8
9					532.800 E	532.753 E	532.741 E	532.710 E	532.647 E	532.629 E			9
10					532.799 E	532.751 E	532.735 E	532.706 E	532.645	532.627 E			10
11					532.798 E	532.749	532.730	532.702 E	532.645 E	532.628 E			11
12					532.797 E	532.751 E	532.728 E	532.698 E	532.645 E	532.629 E			12
13					532.796	532.752 E	532.726 E	532.694 E	532.645 E	532.630 E			13
14					532.804 E	532.754 E	532.724	532.690	532.645 E	532.631 E			14
15					532.811	532.755 E	532.723 E	532.688	532.645 E	532.631 E			15
16					532.799 E	532.757 E	532.743 E	532.688 E	532.645 E	532.632 E			16
17					532.797	532.758 E	532.752	532.688	532.642 E	532.633 E			17
18					532.797	532.760 E	532.750	532.687	532.642 E	532.634 E			18
19					532.797 E	532.762	532.748 E	532.686	532.645 E	532.635 E			19
20					532.796 E	532.763 E	532.746	532.685 E	532.645 E	532.636 E			20
21					532.795 E	532.764	532.742 E	532.684	532.645 E	532.637 E			21
22					532.795 E	532.764 E	532.738 E	532.688 E	532.645 E	532.638 E			22
23					532.794 E	532.764 E	532.735 E	532.692 E	532.645 E	532.639 E			23
24					532.794 E	532.764 E	532.732	532.696	532.645 E	532.640 E			24
25		532.766			532.793 E	532.765 E	532.732	532.702	532.645 E	532.641 E			25
26					532.793 E	532.765 E	532.729 E	532.696 E	532.645 E	532.642 E			26
27					532.793 E	532.765 E	532.726	532.690 E	532.645 E	532.645 E			27
28					532.785 E	532.765 E	532.725 E	532.688	532.645 E	532.644 E			28
29					532.781	532.765 E	532.725 E	532.680 E	532.645 E	532.644 E			29
30					532.761 E	532.764	532.724 E	532.675 E	532.642 E	532.645 E			30
31					532.780 E		532.723 E	532.670		532.657 E			31
MEAN					532.794	532.761	532.740	532.698	532.648	532.635			MEAN
MAX					532.811	532.779	532.761	532.724	532.648	532.657			MAX
MIN					532.780	532.749	532.723	532.670	532.642	532.624			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 532.811 METRES ON MAY 15

MINIMUM DAILY WATER LEVEL, 532.624 METRES ON OCT 7

E-ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Morin Lake near Victoire

REFERENCE NUMBER: 61-138

LOCATION: SW 22-52-9-W3
1.6 km south and 12.9 km west of Debden

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to assumed datum.

PERIOD OF RECORD: Mainly during open water season, 1977 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 28.060 m on July 19, 1979

MINIMUM DAILY MEAN ELEVATION: 27.699 m on October 31, 1981

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Saskatchewan Environment.

MORIN LAKE NEAR VICTOIRE — STATION NO. 061-138

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					27.999	27.949	27.896 E	27.867 E	27.821 E	27.755 E			1
2					27.999	27.948 E	27.891 E	27.865 E	27.824 E	27.752 E			2
3					27.999 E	27.946 E	27.885 E	27.864	27.827 E	27.748 E			3
4			27.889		27.999	27.945 E	27.880 E	27.862 E	27.829 E	27.745 E			4
5					27.998 E	27.943 E	27.875 E	27.861 E	27.832 E	27.742			5
6					27.996 E	27.942 E	27.869	27.859 E	27.835 E	27.737 E			6
7					27.995 E	27.940 E	27.871 E	27.857 E	27.837	27.734 E			7
8					27.993 E	27.939	27.873 E	27.856 E	27.834 E	27.729 E			8
9					27.992 E	27.938 E	27.875 E	27.854 E	27.831 E	27.724 E			9
10					27.990 E	27.936 E	27.877 E	27.852	27.828 E	27.720 E			10
11					27.989	27.935	27.879 E	27.851 E	27.825 E	27.715 E			11
12					27.988 E	27.926 E	27.880 E	27.849 E	27.822 E	27.711			12
13					27.986 E	27.923 E	27.882	27.848 E	27.819 E	27.710 E			13
14					27.985 E	27.917 E	27.884 E	27.846 E	27.816	27.709 E			14
15					27.983 E	27.911	27.886 E	27.844 E	27.811 E	27.708 E			15
16					27.982 E	27.913 E	27.888 E	27.843 E	27.807 E	27.708 E			16
17					27.980 E	27.914 E	27.890 E	27.841	27.802 E	27.707 E			17
18					27.979	27.916 E	27.892 E	27.840 E	27.798 E	27.706 E			18
19					27.979 E	27.918 E	27.893 E	27.838 E	27.794 E	27.705			19
20					27.979 E	27.920 E	27.895	27.836 E	27.789 E	27.705 E			20
21					27.979 E	27.922 E	27.898 E	27.835 E	27.785	27.707			21
22					27.979 E	27.924	27.901	27.833 E	27.782 E	27.704 E			22
23					27.979 E	27.921 E	27.896 E	27.831 E	27.778 E	27.704 E			23
24					27.979 E	27.919 E	27.891 E	27.830	27.775 E	27.703 E			24
25					27.979	27.916 E	27.885 E	27.828 E	27.772 E	27.703 E			25
26					27.975 E	27.914 E	27.880 E	27.827 E	27.769 E	27.702			26
27					27.970 E	27.911 E	27.875	27.825 E	27.766 E	27.701 E			27
28					27.966 E	27.909 E	27.873 E	27.823 E	27.763	27.701 E			28
29					27.962 E	27.907	27.872 E	27.822 E	27.761 E	27.700 E			29
30					27.958 E	27.901 E	27.870 E	27.820 E	27.758	27.700 E			30
31					27.953 E		27.869 E	27.819		27.699			31
MEAN					27.983	27.926	27.883	27.843	27.803	27.716			MEAN
MAX					27.999	27.949	27.901	27.867	27.837	27.755			MAX
MIN					27.953	27.901	27.869	27.819	27.758	27.699			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 27.999 METRES ON MAY 1

MINIMUM DAILY WATER LEVEL, 27.699 METRES ON OCT 31

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Pelican Lake at Pelican Narrows

REFERENCE NUMBER: 67-133

LOCATION: Lat. 55° 10' Long. 102° 56'
at DNS headquarters at Pelican Narrows

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Periods of varying length, mainly during open water season 1974 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 315.037 m on September 18, 1974

MINIMUM DAILY MEAN ELEVATION: 313.161 m on October 28, 1981

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Department of Northern Saskatchewan. Add 286.776 m to records prior to 1980 to convert to geodetic datum.

PELICAN LAKE AT PELICAN NARROWS

STATION NO. 067-133

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							313.488						1
2						313.486	313.488						2
3							313.488						3
4							313.488						4
5							313.488						5
6							313.483						6
7							313.483						7
8							313.485						8
9							313.486						9
10							313.488						10
11							313.478						11
12							313.468						12
13	313.544						313.461						13
14							313.461						14
15							313.458						15
16							313.458						16
17							313.460						17
18							313.461						18
19							313.455						19
20							313.452						20
21							313.447						21
22							313.445						22
23							313.437						23
24							313.437						24
25							313.437						25
26							313.417						26
27							313.408						27
28							313.387			313.161			28
29							313.367						29
30							313.346						30
31							313.345						31
MEAN							313.450						MEAN
MAX							313.488						MAX
MIN							313.345						MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 313.544 METRES ON JAN 13

MINIMUM DAILY WATER LEVEL, 313.161 METRES ON OCT 26

WATER LEVELS ARE REFERRED TO CGC DATUM

STREAMFLOW STATION DESCRIPTION

STATION NAME:	Pilot Butte Creek at No. 33 Highway
REFERENCE NUMBER:	23-178
LOCATION:	SE 16-17-19-W2 0.8 km southeast of Regina on No. 33 Highway
GROSS DRAINAGE AREA:	111 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Miscellaneous measurements 1972 and 1974, spring runoff 1976 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE:	7.05 cm on April 18, 1974
MINIMUM DAILY MEAN DISCHARGE:	Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION:	Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

PILOT BUTTE CREEK AT NO 33 HIGHWAY — STATION NO. 023-178

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			1
2			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			2
3			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			3
4			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			4
5			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			5
6			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			6
7			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			7
8			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			8
9			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			9
10			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			10
11			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			11
12			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			12
13			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			13
14			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			14
15			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			15
16			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			16
17			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			17
18			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			18
19			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			19
20			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			20
21			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			21
22			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			22
23			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			23
24			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			24
25			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			25
26			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			26
27			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			27
28			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			28
29			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			29
30			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			30
31			0 E		0 E		0 E	0 E		0 E			31
TOTAL			0	0	0	0	0	0	0	0			TOTAL
MEAN			0	0	0	0	0	0	0	0			MEAN
DAM3			0	0	0	0	0	0	0	0			DAM3
MAX			0	0	0	0	0	0	0	0			MAX
MIN			0	0	0	0	0	0	0	0			MIN

SUMMARY FOR THE MONTHS MAR TO OCT
MEAN DISCHARGE, 0 M3/S
TOTAL DISCHARGE, 0 DAM3
MAXIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1
MINIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Potato Lake near La Ronge
REFERENCE NUMBER:	34-103
LOCATION:	31-69-22-2 Approximately 9.7 km south of Montreal River at LaRonge
GROSS DRAINAGE AREA:	461 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Periods of varying length, mainly during open water season 1966 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	367.827 m on July 9, 1973
MINIMUM DAILY MEAN ELEVATION:	366.662 m on March 12, 1980

DESCRIPTION OF OUTLET CONDITIONS:	Natural channel on east end of lake

REMARKS: Records gathered by Saskatchewan Environment.

POTATO LAKE NEAR LA RONGE

STATION NO. 034-103

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1													1
2													2
3						366.918							3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12	366.738												12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20							366.749						20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30										366.787			30
31													31
MEAN													MEAN
MAX													MAX
MIN													MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL. 366.918 METRES ON JUN 3

MINIMUM DAILY WATER LEVEL. 366.738 METRES ON JAN 13

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STREAMFLOW STATION DESCRIPTION

STATION NAME: Qu'Appelle River at No. 6 Highway

REFERENCE NUMBER: 23-183

LOCATION: SE 28-21-19-W2
40.2 km north of Regina on No. 6 Highway

GROSS DRAINAGE AREA: 31222 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Flow records 1967 - 1970 and stage records 1976 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 485.583 m on April 23, 1974

MINIMUM DAILY MEAN ELEVATION: 482.910 m on May 16, 1977

DESCRIPTION OF OUTLET CONDITIONS: Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

QU'APPELLE RIVER AT NO. 6 HWY. STATION NO. 023-183

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					484.282	483.569	483.538	483.515	483.248 E	483.181 E	483.458		1
2					483.790	483.557	483.532	483.510	483.246 E	483.179 E	483.401		2
3					483.690	483.537	483.533	483.492	483.243 E	483.177 E	483.380		3
4					483.613	483.536	483.540	483.487	483.241 E	483.174 E	483.380		4
5					483.598	483.550	483.552	483.484	483.239 E	483.172 E	483.358		5
6					483.612	483.565	483.551	483.492	483.237 E	483.170	483.325		6
7					483.607	483.563	483.545	483.458	483.234 E	483.167	483.350		7
8					483.598	483.576	483.530	483.398	483.232 E	483.203	483.378		8
9					483.589	483.574	483.500	483.340	483.230 E	483.250	483.389		9
10					483.603	483.569	483.471	483.314	483.228 E	483.234	483.400		10
11					483.580	483.557	483.458	483.300	483.226 E	483.213	483.435		11
12					483.580	483.545	483.448	483.290	483.223 E	483.216	483.442		12
13					483.591	483.580	483.490	483.281	483.221 E	483.241	483.450		13
14				483.571	483.595	483.628	483.537	483.277	483.219 E	483.233	483.458		14
15				483.534	483.596	483.685	483.580	483.273	483.217 E	483.212	483.442		15
16				483.500	483.601	483.582	483.553	483.240	483.214 E	483.207	483.432		16
17				483.250	483.599	483.565	483.557	483.242	483.212 E	483.210			17
18				483.120	483.572	483.565	483.546	483.270	483.210 E	483.199			18
19				483.070	483.548	483.542	483.530	483.274	483.208 E	483.189			19
20				483.240	483.548	483.513	483.510	483.270	483.206 E	483.180			20
21				483.190	483.593	483.500	483.506	483.268	483.203 E	483.177			21
22				483.030	483.610	483.487	483.525	483.261	483.201 E	483.270			22
23				482.960	483.612	483.502	483.529	483.252	483.199 E	483.340			23
24				482.955	483.613	483.537	483.521	483.257	483.197 E	483.377			24
25				482.945	483.610	483.562	483.518	483.260	483.194 E	483.385			25
26				482.937	483.602	483.565	483.516	483.256	483.192 E	483.378			26
27				482.932	483.591	483.577	483.510	483.245	483.190 E	483.352			27
28				482.926	483.588	483.565	483.504	483.235	483.188 E	483.582			28
29				483.017	483.580	483.552	483.500	483.233	483.186 E	483.540			29
30				483.990	483.575	483.540	483.513	483.244	483.183 E	483.456			30
31					483.555		483.520	483.250		483.500			31
MEAN					483.623	483.555	483.521	483.322	483.216	483.270			MEAN
MAX					484.282	483.628	483.580	483.515	483.248	483.582			MAX
MIN					483.548	483.487	483.448	483.233	483.183	483.167			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 484.282 METRES ON MAY 1

MINIMUM DAILY WATER LEVEL, 482.926 METRES ON APR 28

WATER LEVELS ARE REFERRED TO GEODETIC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Ranch Lake near St. James
REFERENCE NUMBER:	26-103
LOCATION:	SE 35-40-20-W2 8 km north of St. James
GROSS DRAINAGE AREA:	352 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Mainly during open water season 1968 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	553.349 m on April 24, 1972
MINIMUM DAILY MEAN ELEVATION:	551.696 m on October 6, 1981

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: Records gathered by Saskatchewan Environment.

RANCH LAKE NEAR ST. JAMES — STATION NO. 026-103

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					552.108	551.940 E	551.853 E	551.779 E	551.758 E	551.722 E			1
2					552.104	551.934 E	551.840 E	551.756 E	551.750 E	551.717 E			2
3					552.100 E	551.933 E	551.827 E	551.742 E	551.750 E	551.712 E			3
4					552.096 E	551.931 E	551.823 E	551.728 E	551.751 E	551.707 E			4
5					552.092 E	551.929 E	551.820 E	551.888 E	551.748 E	551.701 E			5
6					552.088	551.927 E	551.817 E	551.881 E	551.742 E	551.696			6
7					552.083 E	551.924 E	551.813 E	551.870 E	551.737 E				7
8					552.078 E	551.922 E	551.810 E	551.848 E	551.731 E				8
9					552.071 E	551.919 E	551.807 E	551.849 E	551.725 E				9
10					552.065 E	551.915 E	551.804 E	551.838	551.720				10
11					552.058	551.911 E	551.802 E	551.834 E	551.718 E				11
12					552.064	551.907	551.798 E	551.830 E	551.719 E				12
13					552.056 E	551.905 E	551.797	551.826 E	551.715 E				13
14					552.054 E	551.902 E	551.819 E	551.822 E	551.716 E				14
15					552.052 E	551.888 E	551.841 E	551.818 E	551.712 E				15
16					552.050 E	551.897	551.842 E	551.814 E	551.711				16
17					552.048	551.897 E	551.888 E	551.801	551.710				17
18					552.045 E	551.897	551.886	551.801 E	551.708 E				18
19					552.042 E	551.895 E	551.904 E	551.804 E	551.708				19
20					552.039 E	551.892 E	551.901 E	551.800 E	551.707 E				20
21					552.036 E	551.890 E	551.898 E	551.797 E	551.707				21
22					552.033	551.887	551.895 E	551.794	551.706 E				22
23					552.029 E	551.891 E	551.892 E	551.790 E	551.706 E				23
24					552.025 E	551.894 E	551.888 E	551.787 E	551.705				24
25					552.021 E	551.888 E	551.884	551.783 E	551.711 E				25
26					552.018	551.903 E	551.874 E	551.779 E	551.716 E				26
27					552.015 E	551.907	551.862 E	551.775 E	551.722 E				27
28					552.011 E	551.894 E	551.850 E	551.771 E	551.727 E				28
29					552.010 E	551.880 E	551.838 E	551.766 E	551.731				29
30					552.008	551.867 E	551.836 E	551.762 E	551.728 E				30
31					551.984 E		551.803 E	551.758					31
MEAN					552.051	551.907	551.847	551.808	551.724				MEAN
MAX					552.108	551.940	551.904	551.888	551.759				MAX
MIN					551.984	551.867	551.797	551.756	551.705				MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL. 552.108 METRES ON MAY 1

MINIMUM DAILY WATER LEVEL. 551.696 METRES ON OCT 6

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Redberry Lake near Krydor

REFERENCE NUMBER: 60-102

LOCATION: SW 16-43-8-W3
10.5 km south and 2.4 km west of Krydor

GROSS DRAINAGE AREA: 1202 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Periods of varying length, mainly during open water season 1966 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 506.455 m on June 17, 1966

MINIMUM DAILY MEAN ELEVATION: 504.354 m on October 19, 1981

DESCRIPTION OF OUTLET CONDITIONS: Closed drainage basin

REMARKS: Records gathered by Saskatchewan Environment. Add 477.664 to records prior to 1980 to convert to geodetic datum.

REDBERRY LAKE NEAR KRYDOR

STATION NO. 060-102

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						504.854 E	504.808 E	504.789	504.712 E	504.511 E			1
2			504.846			504.851 E	504.810	504.787	504.710 E	504.478			2
3						504.848 E	504.810	504.785 E	504.708 E	504.452			3
4						504.846 E	504.810	504.784 E	504.706	504.455			4
5						504.843	504.812	504.782 E	504.706				5
6						504.847	504.813 E	504.780 E	504.704				6
7						504.849	504.813 E	504.778	504.698 E				7
8						504.844 E	504.813 E	504.778	504.693 E				8
9						504.840 E	504.814 E	504.776	504.688				9
10						504.835 E	504.814	504.776 E	504.682 E				10
11						504.831	504.814	504.775 E	504.677				11
12						504.824	504.816	504.774	504.677				12
13						504.821	504.817 E	504.774	504.677				13
14						504.821	504.819 E	504.773	504.676 E				14
15						504.816 E	504.820 E	504.772	504.667 E				15
16						504.812 E	504.821 E	504.772	504.662 E				16
17						504.807 E	504.822	504.770	504.657				17
18						504.803 E	504.822	504.770	504.657				18
19						504.798	504.822	504.763	504.657	504.354			19
20						504.797	504.819 E	504.761	504.657				20
21						504.793	504.816	504.759	504.648 E				21
22						504.795 E	504.818	504.759	504.640 E				22
23						504.796 E	504.818	504.759	504.632 E				23
24						504.798 E	504.814	504.749 E	504.624 E				24
25					504.874	504.800 E	504.812	504.739 E	504.616				25
26					504.871 E	504.802	504.812	504.729 E	504.616				26
27					504.868 E	504.802	504.806 E	504.719	504.616				27
28					504.865 E	504.804	504.801 E	504.719	504.616				28
29					504.863 E	504.804	504.796 E	504.719	504.581 E				29
30					504.860 E	504.806 E	504.791	504.716 E	504.546 E				30
31					504.857 E		504.789	504.714 E					31
MEAN						504.820	504.812	504.761	504.660				MEAN
MAX						504.854	504.822	504.789	504.712				MAX
MIN						504.793	504.789	504.714	504.546				MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 504.874 METRES ON MAY 25

MINIMUM DAILY WATER LEVEL, 504.354 METRES ON OCT 19

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Shell Lake near Shell Lake

REFERENCE NUMBER: 29-142

LOCATION: SE 13-49-9-W3
9.7 km south and 8 km west of the Town of Shell Lake

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly during open water season, 1977 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 581.993 m on June 10, 1979

MINIMUM DAILY MEAN ELEVATION: 580.937 m on November 4, 1979

DESCRIPTION OF OUTLET CONDITIONS: Natural channel to Little Shell Lake and then to Shell River.

REMARKS: Records gathered by Saskatchewan Environment. Add 554.173 m to records prior to 1980 to convert to geodetic datum.

SHELL LAKE NEAR SHELL LAKE — STATION NO. 029-142

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						581.740	581.685	581.677	581.551	581.465	581.433		1
2						581.740	581.682	581.676	581.550	581.465	581.432		2
3						581.739	581.679	581.673	581.548	581.455	581.431		3
4			581.377			581.738	581.675	581.671	581.546	581.460	581.430		4
5						581.738	581.671	581.668	581.542	581.457	581.428		5
6						581.737	581.668 E	581.664	581.538	581.453	581.426		6
7						581.736	581.664 E	581.661	581.535	581.454 E	581.425		7
8						581.735	581.660	581.657	581.533	581.455 E	581.424		8
9						581.733	581.658	581.655	581.530	581.455	581.424		9
10						581.732	581.657	581.652	581.525	581.457	581.424		10
11						581.729	581.655	581.647	581.521	581.455			11
12						581.719	581.652	581.643	581.517	581.455			12
13						581.717	581.660	581.640	581.513	581.454			13
14						581.715	581.665	581.637	581.510	581.453			14
15						581.711	581.664	581.635	581.506	581.452			15
16						581.708	581.665	581.632	581.502	581.451			16
17						581.708	581.662	581.625	581.499	581.450			17
18						581.705	581.658	581.620	581.496	581.449			18
19						581.703	581.656	581.615	581.494	581.448			19
20						581.700	581.661	581.610	581.492	581.447			20
21						581.700	581.660	581.604	581.490	581.442			21
22						581.698	581.659	581.599	581.488	581.445			22
23						581.698	581.658	581.594	581.486	581.444			23
24						581.698	581.654	581.589	581.483	581.443			24
25						581.695	581.651	581.582	581.481	581.442			25
26						581.693	581.648	581.578	581.478	581.441			26
27						581.692	581.646	581.572	581.476	581.440			27
28						581.690	581.644	581.568	581.474	581.439			28
29						581.688	581.642	581.563	581.472	581.438			29
30						581.684	581.668	581.559	581.470	581.436			30
31							581.678	581.554		581.435			31
MEAN						581.714	581.662	581.623	581.508	581.450			MEAN
MAX						581.740	581.685	581.677	581.551	581.465			MAX
MIN						581.684	581.642	581.554	581.470	581.435			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 581.740 METRES ON JUN 1

MINIMUM DAILY WATER LEVEL, 581.377 METRES ON MAR 4

E-ESTIMATED

WATER LEVELS ARE REFERRED TO GSC DATUM

STREAMFLOW STATION DESCRIPTION

STATION NAME:	Souris River above Weyburn
REFERENCE NUMBER:	24-124
LOCATION:	NW 25-8-15-2 8 km northwest of Intersection of Highway 13 and Highway 39
GROSS DRAINAGE AREA:	2230 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Mainly open water season 1978 and 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE:	52.7 m^3/s on April 21, 1979
MINIMUM DAILY MEAN DISCHARGE:	Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION:	Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

SOURIS RIVER ABOVE WEYBURN

STATION NO. 024-124

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0 E	0.030 E	0 E	0 E	0 E	0 E	0 E	0 E			1
2			0 E	0.030 E	0 E	0 E	0 E	0 E	0 E	0 E			2
3			0 E	0.030 E	0 E	0 E	0 E	0 E	0 E	0 E			3
4			0 E	0.020 E	0 E	0 E	0 E	0 E	0 E	0 E			4
5			0 E	0.020 E	0 E	0 E	0 E	0 E	0 E	0 E			5
6			0 E	0.010 E	0 E	0 E	0 E	0 E	0 E	0 E			6
7			0 E	0.010 E	0 E	0 E	0 E	0 E	0 E	0 E			7
8			0 E	0.005 E	0 E	0 E	0 E	0 E	0 E	0 E			8
9			0 E	0.001 E	0 E	0 E	0 E	0 E	0 E	0 E			9
10			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			10
11			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			11
12			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			12
13			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			13
14			0 E	0 E	0 E	0.001 E	0 E	0 E	0 E	0 E			14
15			0 E	0 E	0 E	0.010 E	0 E	0 E	0 E	0 E			15
16			0 E	0 E	0 E	0.010 E	0 E	0 E	0 E	0 E			16
17			0 E	0 E	0 E	0.010 E	0 E	0 E	0 E	0 E			17
18			0.010 E	0 E	0 E	0.010 E	0 E	0 E	0 E	0 E			18
19			0.040 E	0 E	0 E	0.030 E	0 E	0 E	0 E	0 E			19
20			0.080 E	0 E	0 E	0.030 E	0 E	0 E	0 E	0 E			20
21			0.070 E	0 E	0 E	0.020 E	0 E	0 E	0 E	0 E			21
22			0.050 E	0 E	0 E	0.010 E	0 E	0 E	0 E	0 E			22
23			0.040 E	0 E	0 E	0.010 E	0 E	0 E	0 E	0 E			23
24			0.030 E	0 E	0 E	0.005 E	0 E	0 E	0 E	0 E			24
25			0.030 E	0 E	0 E	0.001 E	0 E	0 E	0 E	0 E			25
26			0.030 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			26
27			0.030 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			27
28			0.020 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			28
29			0.020 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			29
30			0.030 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			30
31			0.030 E		0 E		0 E	0 E		0 E			31
TOTAL			0.510	0.156	0	0.147	0	0	0	0			TOTAL
MEAN			0.016	0.005	0	0.005	0	0	0	0			MEAN
DAM3			44.1	13.5	0	12.7	0	0	0	0			DAM3
MAX			0.080	0.030	0	0.030	0	0	0	0			MAX
MIN			0	0	0	0	0	0	0	0			MIN

SUMMARY FOR THE MONTHS MAR TO OCT
MEAN DISCHARGE,0.003 M3/S
TOTAL DISCHARGE,70.3 DAM3
MAXIMUM DAILY DISCHARGE,0.080 M3/S ON MAR 20
MINIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1

E-ESTIMATED

STREAMFLOW STATION DESCRIPTION

STATION NAME: Souris River at No. 13 Highway at Weyburn

REFERENCE NUMBER: 24-104

LOCATION: NW 20-8-14-W2
On No. 13 Highway at Weyburn

GROSS DRAINAGE AREA: 2238 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Mainly spring runoff 1964 - 1975 and stage records 1976 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE: 565.671 m on April 21, 1979

MINIMUM DAILY MEAN DISCHARGE: 562.905 m on March 26, 1976

DESCRIPTION OF CONTROLLING SECTION: Some channel improvements downstream from station

REMARKS: Records gathered by Saskatchewan Environment. Back water effects due to C&LI structure downstream from station.

SOURIS RIVER AT NO 13 HIGHWAY IN NEYBURN — STATION NO. 024-104

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15						563.076							15
16						563.086							16
17						563.087 E							17
18						563.087 E							18
19						563.088							19
20						563.116	563.136						20
21						563.116							21
22						563.116							22
23						563.116							23
24						563.096							24
25						563.076							25
26						563.076							26
27						563.096							27
28						563.076							28
29						563.076							29
30						563.056							30
31						563.096							31
MEAN													MEAN
MAX													MAX
MIN													MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 563.136 METRES ON JUL 19

MINIMUM DAILY WATER LEVEL, 563.056 METRES ON JUN 29

E=ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STREAMFLOW STATION DESCRIPTION

STATION NAME: Souris River at No. 18 Highway

REFERENCE NUMBER: 24-131

LOCATION: SE 16-2-8-W2
0.6 km south and 2.4 km west of Estevan

GROSS DRAINAGE AREA: 5711 SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to geodetic datum.

PERIOD OF RECORD: Miscellaneous measurements 1969 and mainly spring runoff 1970 to 1975 and stage records 1976 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE: 538.728 m on April 25, 1979

MINIMUM DAILY MEAN DISCHARGE: 533.732 m on July 31, 1980

DESCRIPTION OF CONTROLLING SECTION: Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

BOURIS RIVER AT NO 18 HIGHWAY

STATION NO. 024-131

DAILY WATER LEVEL IN METRES FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				534.518									1
2				534.543									2
3													3
4													4
5				534.823									5
6													6
7													7
8				534.872									8
9				534.957									9
10				535.012									10
11				535.058									11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX													MAX
MIN													MIN

SUMMARY FOR THE YEAR 1980

MAXIMUM DAILY WATER LEVEL, 535.058 METRES ON APR 11

MINIMUM DAILY WATER LEVEL, 534.518 METRES ON APR 1

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STREAMFLOW STATION DESCRIPTION

STATION NAME: Souris River at No. 47 Highway

REFERENCE NUMBER: 24-132

LOCATION: SW 14-2-8-2
1.3 km south of Estevan

GROSS DRAINAGE AREA: 11277 SQUARE KILOMETRES

GAUGE AND DATUM: Wire weight gauge set to geodetic datum.

PERIOD OF RECORD: Mainly spring runoff 1969 to 1972 and 1974 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE: 235 m^3/s on April 25, 1979

MINIMUM DAILY MEAN DISCHARGE: Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION: Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

SOURIS RIVER AT NO 47 HIGHWAY — STATION NO. 024-152

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0.160 E	0.040 E	0.040 E	0.010 E	0.010 E	0.010 E	0.010 E	0.005 E			1
2			0.120 E	0.040 E	0.040 E	0.010 E	0.010 E	0.005 E	0.010 E	0.005 E			2
3			0.110 E	0.050 E	0.050 E	0.010 E	0.010 E	0.005 E	0.010 E	0.005 E			3
4			0.280 E	0.050 E	0.050 E	0.010 E	0.010 E	0.005 E	0.005 E	0.005 E			4
5			0.300 E	0.050 E	0.050 E	0.010 E	0.010 E	0.005 E	0.005 E	0.005 E			5
6			0.280 E	0.040 E	0.060 E	0.010 E	0.010 E	0.030 E	0.001 E	0.005 E			6
7			0.240 E	0.040 E	0.080 E	0.010 E	0.010 E	0.070 E	0 E	0.005 E			7
8			0.250 E	0.040 E	0.090 E	0.010 E	0.010 E	0.050 E	0 E	0.005 E			8
9			0.240 E	0.040 E	0.090 E	0.010 E	0.010 E	0.040 E	0 E	0.010 E			9
10			0.200 E	0.040 E	0.090 E	0.010 E	0.010 E	0.030 E	0 E	0.010 E			10
11			0.140 E	0.040 E	0.100 E	0.010 E	0.010 E	0.020 E	0 E	0.020 E			11
12			0.110 E	0.040 E	0.100 E	0.005 E	0.010 E	0.020 E	0 E	0.020 E			12
13			0.010 E	0.040 E	0.120 E	0.005 E	0.010 E	0.020 E	0 E	0.020 E			13
14			0.040 E	0.040 E	0.130 E	0.005 E	0.010 E	0.020 E	0 E	0.020 E			14
15			0.050 E	0.040 E	0.130 E	0.005 E	0.010 E	0.020 E	0 E	0.020 E			15
16			0.040 E	0.040 E	0.060 E	0.005 E	0.010 E	0.020 E	0 E	0.010 E			16
17			0.030 E	0.040 E	0.050 E	0.005 E	0.010 E	0.030 E	0 E	0.010 E			17
18			0.020 E	0.030 E	0.050 E	0.005 E	0.010 E	0.060 E	0 E	0.010 E			18
19			0.010 E	0.020 E	0.050 E	0.005 E	0.010 E	0.170 E	0 E	0.010 E			19
20			0.010 E	0.020 E	0.040 E	0.005 E	0.010 E	0.110 E	0 E	0.010 E			20
21			0.020 E	0.020 E	0.010 E	0.005 E	0.010 E	0.050 E	0 E	0.010 E			21
22			0.030 E	0.010 E	0.010 E	0.005 E	0.010 E	0.040 E	0 E	0.010 E			22
23			0.020 E	0.010 E	0.020 E	0.005 E	0.010 E	0.040 E	0 E	0.010 E			23
24			0.010 E	0.010 E	0.020 E	0.005 E	0.010 E	0.050 E	0 E	0.010 E			24
25			0.010 E	0.010 E	0.030 E	0.005 E	0.010 E	0.090 E	0 E	0.020 E			25
26			0.010 E	0.020 E	0.030 E	0.005 E	0.010 E	0.090 E	0 E	0.020 E			26
27			0.030 E	0.040 E	0.030 E	0.005 E	0.010 E	0.070 E	0 E	0.030 E			27
28			0.030 E	0.040 E	0.030 E	0.005 E	0.010 E	0.050 E	0 E	0.040 E			28
29			0.050 E	0.040 E	0.030 E	0.010 E	0.010 E	0.040 E	0 E	0.170 E			29
30			0.040 E	0.040 E	0.020 E	0.010 E	0.010 E	0.020 E	0 E	0.290 E			30
31			0.040 E		0.020 E		0.010 E	0.010 E		0.360 E			31
TOTAL			2.930	1.020	1.720	0.215	0.310	1.290	0.041	1.180			TOTAL
MEAN			0.095	0.034	0.055	0.007	0.010	0.042	0.001	0.038			MEAN
DAM3			253	88.1	149	18.6	26.8	111	3.54	102			DAM3
MAX			0.300	0.050	0.130	0.010	0.010	0.170	0.010	0.360			MAX
MIN			0.010	0.010	0.010	0.005	0.010	0.005	0	0.005			MIN

SUMMARY FOR THE MONTHS MAR TO OCT
MEAN DISCHARGE, 0.036 M3/S
TOTAL DISCHARGE, 752 DAM3
MAXIMUM DAILY DISCHARGE, 0.360 M3/S ON OCT 31
MINIMUM DAILY DISCHARGE, 0 M3/S ON SEP 7

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME: Sturgeon Lake near Prince Albert

REFERENCE NUMBER: 29-143

LOCATION: SE 26-51-2-W2
Sturgeon Lake Regional Park
21 km north and 35 km west of Prince Albert

GROSS DRAINAGE AREA: N/A SQUARE KILOMETRES

GAUGE AND DATUM: Staff gauge set to assumed datum.

PERIOD OF RECORD: Mainly during open water season in 1977 and 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION: 8.277 m on June 7, 1979

MINIMUM DAILY MEAN ELEVATION: 7.605 m on October 30, 1981

DESCRIPTION OF OUTLET CONDITIONS: Timber weir

REMARKS: Records gathered by Saskatchewan Environment.

STURGEON LAKE NEAR PRINCE ALBERT — STATION NO. 029-143

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						7.950 E	7.826	7.795	7.718				1
2						7.950 E	7.851	7.795 E	7.698				2
3						7.947	7.863 E	7.795	7.698				3
4						7.912	7.876	7.795 E	7.691 E				4
5						7.915 E	7.874	7.795	7.683				5
6						7.914 E	7.881 E	7.775	7.683	7.687			6
7						7.916 E	7.886 E	7.774 E	7.675 E				7
8						7.911	7.891	7.778	7.667 E				8
9						7.904 E	7.879	7.779 E	7.658				9
10						7.892	7.876	7.779	7.653 E				10
11						7.875 E	7.875 E	7.776 E	7.648				11
12	7.784					7.858 E	7.875 E	7.773 E					12
13						7.842	7.875 E	7.769					13
14						7.845 E	7.875 E	7.769 E					14
15						7.842	7.875 E	7.768 E					15
16						7.838 E	7.874	7.768					16
17						7.835 E	7.875	7.769					17
18						7.831	7.884 E	7.769 E					18
19						7.821	7.905	7.768					19
20						7.816	7.919 E	7.764					20
21						7.813 E	7.932 E	7.764					21
22						7.808 E	7.945	7.759					22
23						7.805 E	7.915 E	7.754					23
24						7.801	7.885 E	7.749					24
25						7.798 E	7.855 E	7.749					25
26						7.798 E	7.825 E	7.749 E					26
27						7.796	7.795	7.749 E					27
28						7.801	7.795 E	7.749					28
29						7.811	7.795	7.749					29
30						7.801	7.795 E	7.719		7.605			30
31							7.795	7.719					31
MEAN						7.855	7.867	7.766					MEAN
MAX						7.954	7.945	7.795					MAX
MIN						7.796	7.795	7.719					MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL. 7.950 METRES ON JUN 1

MINIMUM DAILY WATER LEVEL. 7.605 METRES ON OCT 30

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

STREAMFLOW STATION DESCRIPTION

STATION NAME: Thunder Creek at 9th Avenue Bridge in Moose Jaw

REFERENCE NUMBER: 23-301

LOCATION: NW 32-16-26-W2
At 9th Avenue Bridge in Moose Jaw

GROSS DRAINAGE AREA: 3535 SQUARE KILOMETRES

GAUGE AND DATUM: Measuring point set to assumed datum.

PERIOD OF RECORD: Mainly spring runoff 1975 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE: 18.8 m^3/s (e) on March 20, 1976

MINIMUM DAILY MEAN DISCHARGE: Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION: Natural channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

THUNDER CREEK AT 9TH AVENUE BRIDGE IN MOOSE JAW — STATION NO. 023-301

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			1
2			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			2
3			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			3
4			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			4
5			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			5
6			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			6
7			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			7
8			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			8
9			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			9
10			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			10
11			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			11
12			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			12
13			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			13
14			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			14
15			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			15
16			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			16
17			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			17
18			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			18
19			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			19
20			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			20
21			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			21
22			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			22
23			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			23
24			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			24
25			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			25
26			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			26
27			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			27
28			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			28
29			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			29
30			0 E	0 E	0 E	0 E	0 E	0 E	0 E	0 E			30
31			0 E		0 E		0 E	0 E		0 E			31
TOTAL			0	0	0	0	0	0	0	0			TOTAL
MEAN			0	0	0	0	0	0	0	0			MEAN
DAM3			0	0	0	0	0	0	0	0			DAM3
MAX			0	0	0	0	0	0	0	0			MAX
MIN			0	0	0	0	0	0	0	0			MIN

SUMMARY FOR THE MONTHS MAR TO OCT
MEAN DISCHARGE, 0 M3/S
TOTAL DISCHARGE, 0 DAM3
MAXIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1
MINIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Upper Rousay Lake near Yorkton
REFERENCE NUMBER:	31-133
LOCATION:	SE 36-25-5-W2 4.8 km west and 1.6 km south of Yorkton
GROSS DRAINAGE AREA:	N/A SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Mainly open water season 1974 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	512.335 m on May 1, 1975
MINIMUM DAILY MEAN ELEVATION:	510.107 m on May 19, 1981

DESCRIPTION OF OUTLET CONDITIONS:	Natural channel downstream from station. The channel was deepened in September, 1980.

REMARKS: Records gathered by Ducks Unlimited (Canada).

UPPER ROUSAY LAKE NEAR YORKTON — STATION NO. 031-133

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					510.253 E	510.214 E	510.311	510.272 E	510.186 E				1
2					510.253 E	510.208 E	510.311 E	510.269 E	510.186 E				2
3					510.253 E	510.205 E	510.311 E	510.269 E	510.183 E				3
4					510.253	510.202 E	510.311 E	510.269 E	510.183 E				4
5					510.244 E	510.196 E	510.314 E	510.266 E	510.180 E		510.235		5
6					510.235 E	510.192 E	510.314 E	510.266 E	510.177 E				6
7					510.253 E	510.186 E	510.314 E	510.266 E	510.177 E				7
8					510.218 E	510.183	510.314 E	510.266 E	510.174				8
9					510.205 E	510.199 E	510.314 E	510.263 E					9
10					510.196 E	510.214 E	510.314 E	510.263 E					10
11					510.186 E	510.226 E	510.314 E	510.263 E					11
12					510.174 E	510.241 E	510.314 E	510.260 E					12
13					510.165 E	510.256 E	510.317 E	510.260 E					13
14					510.156 E	510.272 E	510.317 E	510.260 E					14
15					510.147 E	510.284 E	510.317 E	510.256 E					15
16					510.138 E	510.299	510.317 E	510.256 E					16
17					510.125 E	510.305 E	510.317	510.256 E					17
18					510.116	510.311 E	510.314 E	510.256 E					18
19					510.107	510.317 E	510.308 E	510.253 E					19
20					510.119 E	510.321 E	510.305 E	510.253					20
21					510.132 E	510.327 E	510.299 E	510.247 E					21
22					510.144 E	510.333	510.296 E	510.241 E					22
23				510.253	510.156	510.330 E	510.293 E	510.235 E					23
24				510.253 E	510.168 E	510.327 E	510.287 E	510.229 E					24
25				510.253 E	510.177 E	510.327 E	510.284 E	510.220 E					25
26				510.253 E	510.189 E	510.324 E	510.278 E	510.214 E					26
27				510.253	510.202 E	510.321 E	510.275	510.208 E					27
28				510.253 E	510.214 E	510.317 E	510.275 E	510.202					28
29				510.253	510.226	510.317 E	510.272 E	510.199 E					29
30				510.253 E	510.235 E	510.314 E	510.272 E	510.192 E					30
31					510.217 E		510.272 E	510.189					31
MEAN					510.187	510.269	510.302	510.246					MEAN
MAX					510.253	510.333	510.317	510.272					MAX
MIN					510.107	510.183	510.272	510.189					MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 510.333 METRES ON JUN 22

MINIMUM DAILY WATER LEVEL, 510.107 METRES ON MAY 19

WATER LEVELS ARE REFERRED TO GSC DATUM

E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	Wakaw Lake near Wakaw
REFERENCE NUMBER:	28-154
LOCATION:	SE 26-42-26-W2 8 km east and 0.4 km north of No. 2 Highway at Wakaw
GROSS DRAINAGE AREA:	256 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Mainly during open water season 1966 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	509.508 m on April 29, 1979
MINIMUM DAILY MEAN ELEVATION:	508.814 m on September 24, 1981

DESCRIPTION OF OUTLET CONDITIONS: Natural channel

REMARKS: For water levels prior to 1974 add 480.270 m to convert to geodetic datum. Records gathered by Saskatchewan Environment. All data from 1970 - 1979 inclusive should be adjusted by - 0.320 m due to error in bench mark elevation.

WAKAW LAKE NEAR WAKAW — STATION NO. 028-154

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						509.033 E	508.993 E	508.983 E	508.881 E	508.846 E			1
2						509.027 E	508.990 E	508.981 E	508.877 E	508.845 E			2
3						509.021 E	508.986 E	508.978 E	508.873 E	508.843			3
4						509.021 E	508.982 E	508.976 E	508.870 E	508.841			4
5						509.022 E	508.976 E	508.974 E	508.868 E	508.842 E			5
6						509.022	508.970 E	508.972 E	508.866 E	508.843 E			6
7						509.020 E	508.965 E	508.970 E	508.864 E	508.844 E			7
8						509.018 E	508.959 E	508.967	508.863 E	508.844 E			8
9						509.015 E	508.953 E	508.963 E	508.861 E	508.845 E			9
10					509.072	509.013 E	508.948 E	508.958 E	508.859 E	508.846			10
11					509.071 E	509.011 E	508.942	508.954 E	508.858 E	508.847 E			11
12	508.956				509.070 E	509.008	508.947 E	508.949 E	508.856 E	508.848			12
13					509.069 E	509.008 E	508.952 E	508.944 E	508.854	508.848 E			13
14					509.067 E	509.008 E	508.958 E	508.940	508.851 E	508.848 E			14
15					509.066 E	509.008 E	508.963 E	508.938 E	508.847 E	508.848 E			15
16					509.065 E	509.008 E	508.968 E	508.935 E	508.843 E	508.848 E			16
17					509.064	509.007 E	508.973 E	508.933 E	508.840 E	508.848 E			17
18					509.062 E	509.007 E	508.978	508.931 E	508.836 E	508.848 E			18
19					509.059 E	509.007 E	508.979 E	508.927	508.833 E	508.847 E			19
20					509.057 E	509.007	508.979 E	508.925 E	508.829 E	508.847 E			20
21					509.054 E	509.007 E	508.979 E	508.922 E	508.825 E	508.847 E			21
22					509.052 E	509.006 E	508.980 E	508.918 E	508.822 E	508.847 E			22
23					509.049 E	509.006 E	508.980 E	508.914 E	508.818 E	508.847 E			23
24					509.047 E	509.006 E	508.980 E	508.910 E	508.815	508.847 E			24
25					509.044	509.006 E	508.980 E	508.907 E	508.827 E	508.847 E			25
26					509.044 E	509.006 E	508.981	508.903 E	508.840 E	508.847 E			26
27					509.044 E	509.005 E	508.982 E	508.899 E	508.852 E	508.847 E			27
28					509.044 E	509.005 E	508.985 E	508.896 E	508.856 E	508.847 E			28
29					509.044 E	509.001 E	508.983 E	508.892 E	508.849 E	508.847 E			29
30					509.044	508.997 E	508.984 E	508.888 E	508.848 E	508.847			30
31					509.038 E		508.985	508.884 E		508.847			31
MEAN						509.011	508.973	508.936	508.849	508.846			MEAN
MAX						509.033	508.993	508.983	508.881	508.848			MAX
MIN						508.997	508.942	508.884	508.814	508.841			MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 509.072 METRES ON MAY 10

MINIMUM DAILY WATER LEVEL, 508.814 METRES ON SEP 24

WATER LEVELS ARE REFERRED TO GSC DATUM

E=ESTIMATED

STREAMFLOW STATION DESCRIPTION

STATION NAME: Wascana Creek below Wascana Lake

REFERENCE NUMBER: 23-169

LOCATION: NE 13-17-20-W2
Downstream of Wascana Lake

GROSS DRAINAGE AREA: 3787 SQUARE KILOMETRES

GAUGE AND DATUM: Measuring point set to geodetic datum.

PERIOD OF RECORD: Mainly spring runoff 1970 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN DISCHARGE: 101 m^3/s on April 24, 1974

MINIMUM DAILY MEAN DISCHARGE: Nil (various occasions)

DESCRIPTION OF CONTROLLING SECTION: Improved channel downstream from station

REMARKS: Records gathered by Saskatchewan Environment.

WATER SURVEY OF CANADA
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REGINA, SASK.

WASCANA CREEK BELOW WASCANA LAKE

STATION NO. 023-169

(PRELIMINARY) DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			0 B	0.210	0.044	0 E	0	0.040	0	0			1
2			0 B	0.185	0	0 E	0	0.032	0	0			2
3			0 B	0.250	0 E	0 E	0	0.022	0	0			3
4			0 B	0.270	0 E	0	0	0.013	0	0			4
5			0 B	0.280	0 E	0	0	0.002	0	0			5
6			0 B	0.074	0 E	0	0	0	0	0			6
7			0 B	0.125	0 E	0	0	0	0	0			7
8			0 B	0.230	0 E	0	0	0	0	0			8
9			0 B	0.270	0 E	0	0	0	0	0			9
10			0 B	0.180	0 E	0	0	0	0	0			10
11			0 B	0.404	0	0	0	0	0	0			11
12			0 B	0.135	0 E	0	0	0	0	0			12
13			0 B	0.145	0 E	0	0	0	0	0			13
14			0 B	0.190	0 E	0	0	0	0	0			14
15			0 B	0.170	0 E	0	0	0	0	0			15
16			0 B	0.066	0 E	0	0.050	0	0	0			16
17			0 B	0.060	0 E	0	1.80	0	0	0			17
18			0 B	0.105	0 E	0	2.23	0	0	0			18
19			0 B	0.095	0 E	0	2.08	0	0	0			19
20			0 B	0.110	0 E	0	1.48	0	0	0			20
21			0 B	0.038	0 E	0	1.05	0	0	0			21
22			0 B	0.044	0 E	0	0.598	0	0	0			22
23			0 B	0.044	0 E	0	0.310	0	0	0			23
24			0 B	0.054	0 E	0	0.230	0	0	0			24
25			0 B	0.032	0 E	0	0.170	0	0	0			25
26			0 B	0.032	0 E	0	0.120	0	0	0			26
27			0 B	0.032	0 E	0	0.074	0	0	0			27
28			0 B	0.032	0 E	0	0.048	0	0	0			28
29			0 B	0.024	0 E	0	0.038	0	0	0			29
30			0.015	0.026	0 E	0	0.040	0	0	0			30
31			0.120		0 E		0.048	0		0			31
TOTAL			0.133	3.692	0.044	0	10.366	0.109	0	0			TOTAL
MEAN			0.004	0.130	0.001	0	0.334	0.004	0	0			MEAN
DAM3			11.5	336	3.80	0	896	9.42	0	0			DAM3
MAX			0.120	0.404	0.044	0	2.23	0.040	0	0			MAX
MIN			0	0.024	0	0	0	0	0	0			MIN

SUMMARY FOR THE MONTHS MAR TO OCT
MEAN DISCHARGE, 0.059 M3/S
TOTAL DISCHARGE, 1260 DAM3
MAXIMUM DAILY DISCHARGE, 2.23 M3/S ON JUL 18
MINIMUM DAILY DISCHARGE, 0 M3/S ON MAR 1

B-ICE CONDITIONS
E-ESTIMATED

LAKE OR RESERVOIR STATION DESCRIPTION

STATION NAME:	York Lake near Yorkton
REFERENCE NUMBER:	31-120
LOCATION:	NW 15-25-4-W2 3.2 km south and 1.6 km west of Yorkton
GROSS DRAINAGE AREA:	18.6 SQUARE KILOMETRES
GAUGE AND DATUM:	Staff gauge set to geodetic datum.
PERIOD OF RECORD:	Periods of varying length, mainly during open water season 1968 to 1981

EXTREMES RECORDED:

MAXIMUM DAILY MEAN ELEVATION:	512.338 m on May 5, 1975
MINIMUM DAILY MEAN ELEVATION:	510.622 m on September 30, 1968

DESCRIPTION OF OUTLET CONDITIONS:	Constructed channel at southeast end of lake with gated culvert

REMARKS: Records gathered by Ducks Unlimited (Canada). For records prior to 1970 add 482.495 m to convert to geodetic datum.

YORK LAKE NEAR YORKTON

STATION NO. 031-120

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					511.580	511.568 E	511.570 E	511.538 E	511.480 E				1
2					511.581 E	511.570	511.567 E	511.537 E	511.473 E				2
3					511.583 E	511.567 E	511.565 E	511.537 E	511.466 E				3
4					511.584 E	511.563 E	511.563 E	511.536 E	511.458 E				4
5					511.585 E	511.560 E	511.561 E	511.536 E	511.451 E		511.459		5
6					511.585 E	511.557 E	511.559 E	511.536 E	511.444 E				6
7					511.586 E	511.553 E	511.556 E	511.535 E	511.436 E	511.451			7
8					511.585 E	511.550 E	511.554 E	511.535 E	511.429				8
9					511.587 E	511.555 E	511.552 E	511.534 E					9
10					511.586 E	511.560 E	511.550	511.534 E					10
11					511.588 E	511.564 E	511.555 E	511.533 E					11
12					511.589	511.571	511.561	511.533					12
13					511.590	511.576	511.567	511.532					13
14					511.592 E	511.581 E	511.572 E	511.532 E					14
15					511.591	511.587 E	511.578 E	511.532 E					15
16					511.587 E	511.592	511.584 E	511.531 E					16
17					511.583	511.591 E	511.590	511.531					17
18					511.578	511.591 E	511.585 E	511.530 E					18
19					511.575	511.591	511.580 E	511.530					19
20					511.571 E	511.590 E	511.576 E	511.529					20
21					511.567 E	511.588 E	511.571 E	511.527 E					21
22					511.563	511.590	511.567	511.526					22
23					511.559	511.587	511.562	511.525					23
24		511.635			511.555	511.585	511.558	511.519					24
25					511.551 E	511.581 E	511.553 E	511.517 E					25
26					511.558 E	511.581 E	511.549 E	511.514 E					26
27					511.560	511.579	511.546 E	511.513 E					27
28					511.562	511.574	511.538 E	511.508					28
29					511.563	511.574	511.530	511.502					29
30					511.562	511.572 E	511.519	511.495					30
31					511.567 E		511.518 E	511.487 E					31
MEAN					511.576	511.575	511.561	511.526					MEAN
MAX					511.591	511.592	511.584	511.538					MAX
MIN					511.555	511.550	511.538	511.487					MIN

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY WATER LEVEL, 511.635 METRES ON FEB 24

MINIMUM DAILY WATER LEVEL, 511.429 METRES ON SEP 8

E-ESTIMATED

WATER LEVELS ARE REFERRED TO GSC DATUM

I N D E X

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Sub-Basin 11 - Old Wives Lake		
- 11-116	Chaplin Lakes - Miller (Artificial) Lake near Chaplin	17
- 11-117	Chaplin Lake - Midtskogen Bay - near Chaplin	15
- 11-118	Chaplin East Lake near Chaplin	11
- 11-118A	Chaplin East Lake - South Division near Chaplin	13
- 11-119	Chaplin West Lake - East Division - near Chaplin	19
- 11-119A	Chaplin West Lake - Centre Division - near Chaplin	21
- 11-119B	Chaplin West Lake - West Division near Chaplin	23
Sub-Basin 20 - East Poplar River		
- 20-101	Fife Lake near Lisieux	35
Sub-Basin 23 - Qu'Appelle River		
- 23-157	Echo Creek at Fort Qu'Appelle	33
- 23-169	Wascana Creek below Wascana Lake	93
- 23-178	Pilot Butte Creek at No. 33 Highway	65
- 23-183	Qu'Appelle Rivier at No. 6 Highway	69
- 23-301	Thunder Creek at 9th Avenue Bridge in Moose Jaw	87
- 23-307	Kaposvar Creek near the mouth	43
- 23-317	Briercrest Creek near Briercrest	5
Sub-Basin 24 - Souris River		
- 24-104	Souris River at No. 13 Highway near Weyburn	79
- 24-124	Souris River above Weyburn	77
- 24-131	Souris River at No. 18 Highway	81
- 24-132	Souris River at No. 47 Highway	83
Sub-Basin 26 - Lenore Lake		
- 26-103	Ranch Lake near St. James	71
- 26-105	Lenore Lake near Middle Lake	49
Sub-Basin 28 - Carrot River		
- 28-101	Aylsham Ditch near Aylsham	1
- 28-154	Wakaw Lake near Wakaw	91
- 28-179	Carrot River near Edenbridge	9

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Sub-Basin 29 - North Saskatchewan River		
- 29-124	Brightsand Lake near St. Walburg	7
- 29-142	Shell Lake near Shell Lake	75
- 29-143	Sturgeon Lake near Prince Albert	85
Sub-Basin 31 - Assiniboine River		
- 31-120	York Lake near Yorkton	95
- 31-131	Crescent Lake near Yorkton	25
- 31-132	Lower Rousay Lake near Yorkton	55
- 31-133	Upper Rousay Lake near Yorkton	89
- 31-134	Leech Lake at Outlet Ditch	47
Sub-Basin 33 - Red Deer River (Saskatchewan)		
- 33-170	Horsehide Creek near Mistatim	39
- 33-171	Marean Lake near Chelan	59
Sub-Basin 34 - Churchill River		
- 34-103	Potato Lake near La Ronge	67
Sub-Basin 60 - Redberry Lake		
- 60-102	Redberry Lake near Krydor	73
Sub-Basin 61 - Beaver River		
- 61-121	Makwa Lake near Loon Lake	57
- 61-122	Lac Des Iles near Goodsoil	45
- 61-124	Greig Lake near Dorintosh	37
- 61-125	Dore Lake at Dore Lake	31
- 61-137	Delaronde Lake near Big River	27
- 61-138	Morin Lake near Victoire	61
Sub-Basin 67 - Saskatchewan River		
- 67-114	Lower Fishing Lake on Hanson Lake Road	53
- 67-115	Little Bear Lake on Hanson Lake Road	51
- 67-116	Big Sandy Lake on Hanson Lake Road	3
- 67-117	Deschambault Lake on Hanson Lake Road	29
- 67-118	Jan Lake on Hanson Lake Road	41
- 67-133	Pelican Lake at Pelican Narrows	63

SUB-BASIN N

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NAME	GROSS D.A. (Sq. Mi)	
SOURIS RIVER BASIN		
SOURIS RIVER	7,560	(1)
LOWER SOURIS RIVER GROUP	3,550	
MISSOURI RIVER BASIN		
LODGE CREEK	420	
BATTLE CREEK	770	
FRENCHMAN RIVER	2,210	
McRAE CREEK	60	
WOODPILE CREEK	70	
LYONS CREEK	90	
COTEAU CREEK	80	
WHITEWATER CREEK	370	
Mc EACHERN CREEK	180	
HORSE CREEK	70	
ROCK CREEK	200	(2)
EAST POPLAR RIVER	540	
POPLAR RIVER	380	
WEST POPLAR RIVER	170	
WILDHORSE LAKE	8	
CLIMAX GROUP	580	
TAITS LAKE	410	
BLUFF CREEK	50	
COAL CREEK	40	
PAISLEY BROOK	270	
BIG MUDDY LAKE	670	
MISSOURI GROUP	400	
GREEN LAKE	3	
PRESS HILLS (NORTH SLOPE) BASIN		
MANY ISLAND LAKE	230	
BIGSTICK LAKE	1,010	
HAY LAKE	80	
CRANE LAKE	330	(3)
SKULL CREEK	210	
ANTELOPE LAKE	420	
GREAT SANDHILLS GROUP	3,050	
OLD WIVES LAKE BASIN		
OLD WIVES (JOHNSTONE) LAKE	5,410	
WILLOWBUNCH GROUP	1,410	(4)
RUSH LAKE	990	
SHOE LAKE GROUP	400	
QU'APPELLE RIVER BASIN		
QU'APPELLE RIVER	17,940	
QUILL LAKES	3,450	(5)
LITTLE MANITOU LAKE	840	

SUB-BASIN NO.	NAME	GROSS D.A. (Sq. Mi)	
	SOUTH SASKATCHEWAN RIVER BASIN		
10	SWIFT CURRENT CREEK	1,370	(6)
30	SOUTH SASKATCHEWAN RIVER	11,800	
54	COTEAU GROUP	80	
55	LUCK LAKE	310	
	NORTH SASKATCHEWAN RIVER BASIN		
25	MANITO LAKE	1,320	
29	NORTH SASKATCHEWAN RIVER	15,900	
53	WHITEBEAR LAKE	260	(7)
56	GOOSE LAKE GROUP	1,640	
58	KINDERSLEY LAKE GROUP	2,960	
59	WHITESHORE LAKE	1,210	
60	REDBERRY LAKE	500	
	SASKATCHEWAN RIVER BASIN		
26	LENORE LAKE GROUP	1,150	
28	CARROT RIVER	5,090	(8)
67	SASKATCHEWAN RIVER	16,700	
	CHURCHILL RIVER BASIN		
34	CHURCHILL RIVER	35,000	
61	BEAVER RIVER	12,200	(9)
63	REINDEER RIVER	15,900	
64	WOLLASTON LAKE	6,380	
	LAKE ATHABASCA BASIN		
35	ATHABASCA RIVER	37,200	(10)
62	CLEARWATER RIVER	5,660	
	ASSINIBOINE RIVER BASIN		
31	ASSINIBOINE RIVER	6,530	(11)
	LAKE WINNIPEGOSIS BASIN		
32	SWAN LAKE	1,620	
33	RED DEER RIVER (SASKATCHEWAN)	4,680	(12)
57	OVERFLOWING RIVER	600	
	TAZIN RIVER BASIN		
65	TAZIN RIVER	1,330	(13)
	KASBA LAKE BASIN		
66	KASBA LAKE	2,090	(14)

LARGE NUMBERS INDICATE MAJOR BASINS

REVISED FEB/80

SASKATCHEWAN
DEPARTMENT OF THE ENVIRONMEN
HYDROLOGY BRANCH

KEY MAP OF SASKATCHEWAN
SHOWING
MAJOR RIVER BASINS AND SUB—BASINS

DRN K.L.T.	PLAN NO. J4-1(17)	FIGURE 1
CK'D	DATE SEPT, 1978	

POOR

QUALITY

ORIGINAL